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AND A MANUFACTURING AND TEXTILE PAPER, DEVOTED TO THE UPBUILDING OF SOUTHERN MANUFACTURES AND THE DEVELOPMENT OF THE MATERIAL RESOURCES OF THE SOUTH.

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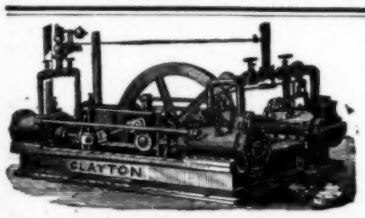

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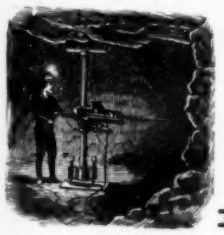
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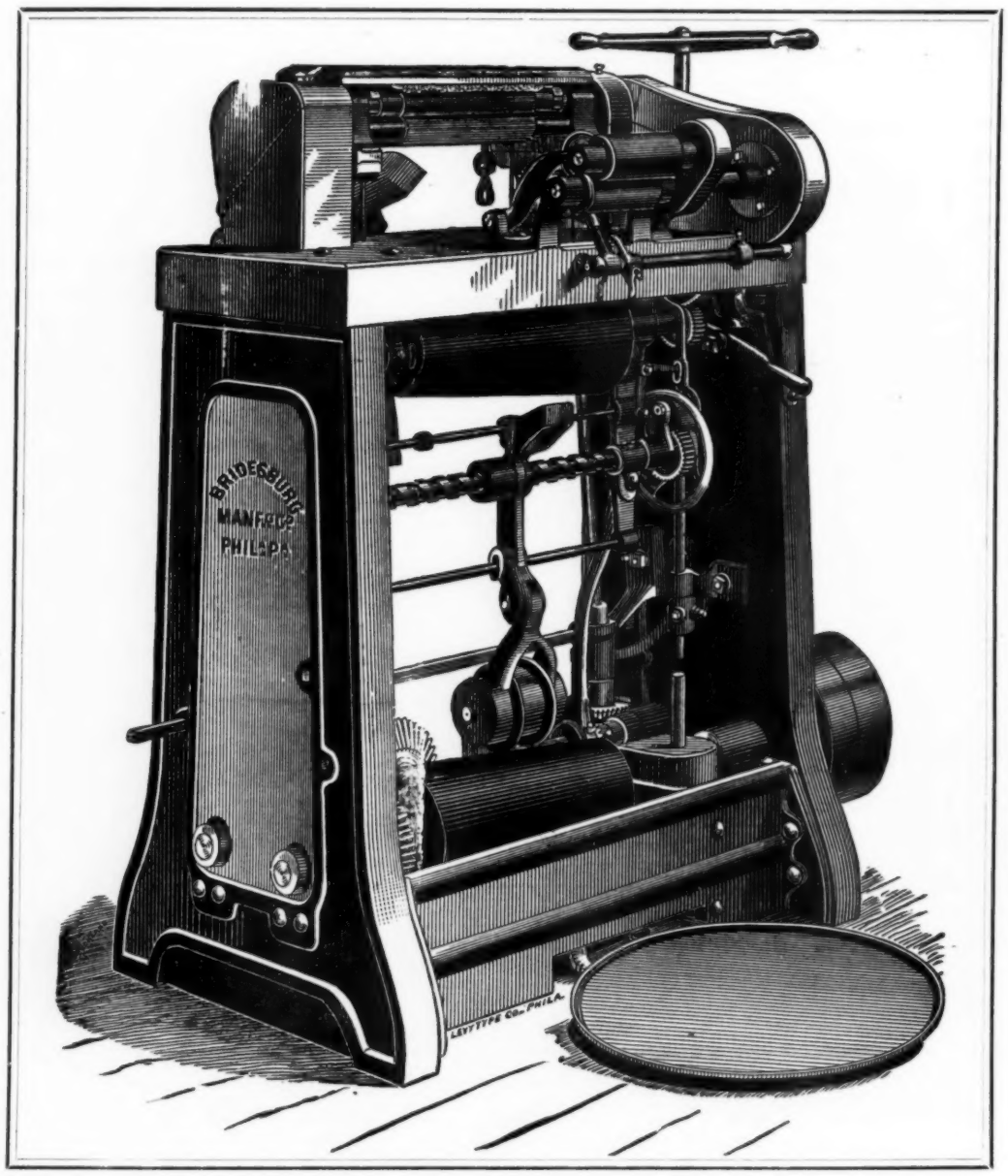

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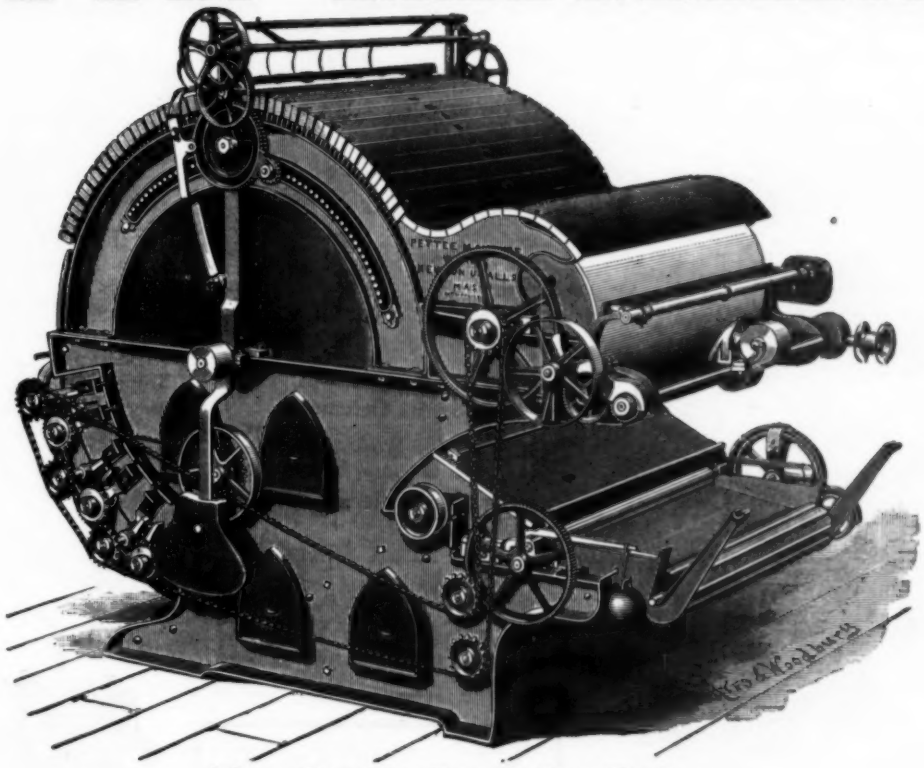

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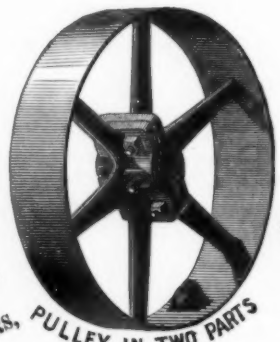

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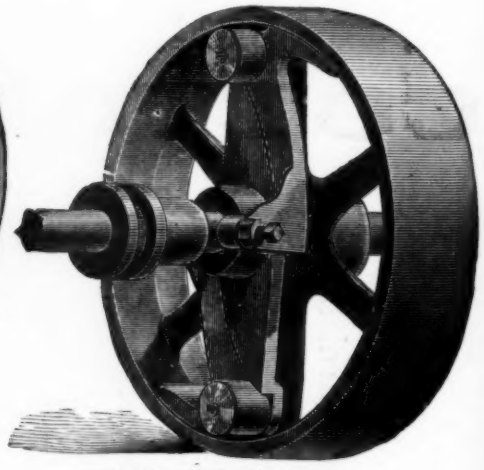

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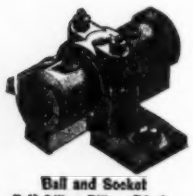

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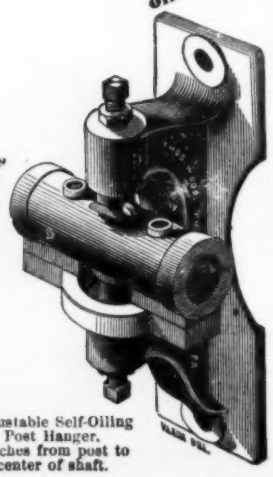

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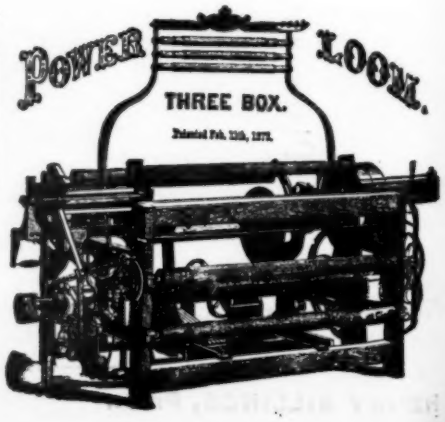

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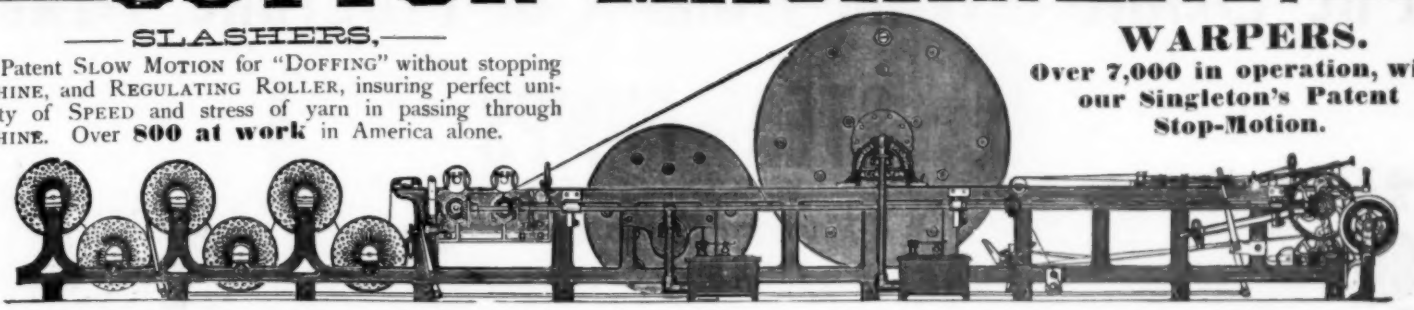

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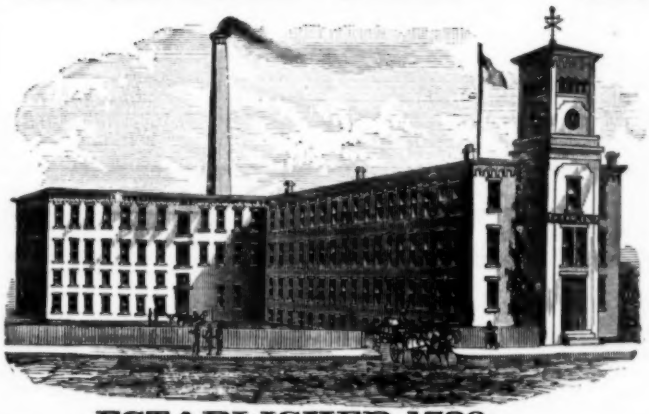

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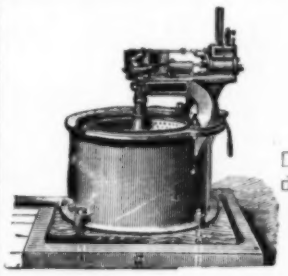

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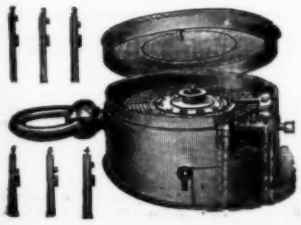

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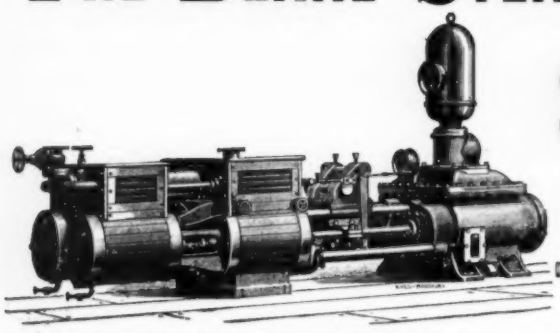

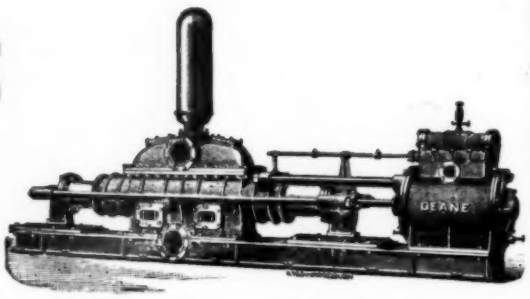

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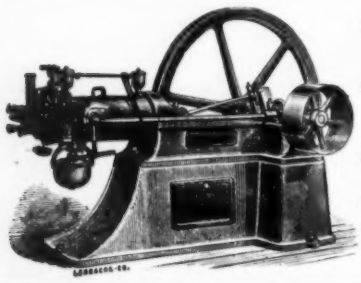

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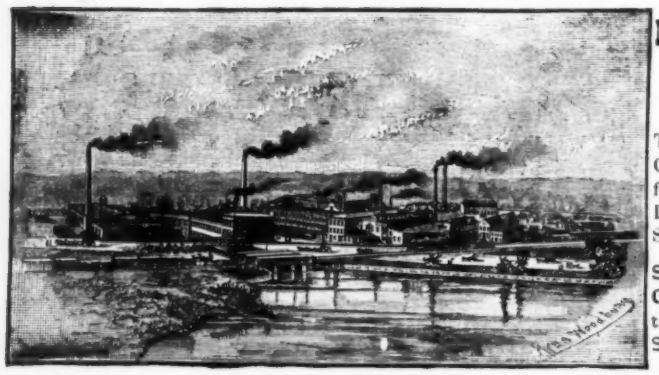

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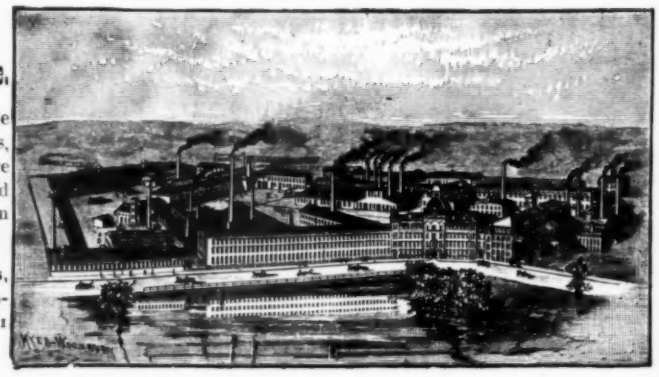

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Manufacturers' Record.

PUBLISHED EVERY SATURDAY.

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BALTIMORE, JULY 19, 1884.

The Business Outlook.

Advices from all sections continue to report the outlook for the fall trade as very encouraging, and, as we have so often said, for the South, at least, the prospect has rarely, if ever, been so promising. Present indications point to abundant cereal crops, as well as to a fairly good yield of cotton, the wheat crop being almost assured, and the yield estimated at not less than 500,000,000 bushels. The Boston Herald has been interviewing leading financiers and business men, and they, without exception, we believe, unite in predicting a heavy fall trade. Mr. Jay Gould, after recounting the favorable conditions tending to greater activity, and the prospects of phenomenally large crops, says:

"In regard to the railroads, I look upon their future as brighter than at any time since 1880. With large crops and a good export demand, the rolling stock of all the leading roads will undoubtedly be taxed to the utmost to move produce from the interior to the seaboard, and merchandise back to the interior. Here, again, the cheapness of labor and supplies is going to be an important factor, as operating expenses will be lessened and net earnings increased thereby. In conclusion, I would state that I look for a general and marked revival of business throughout the country as the results of the cause which I have named, and others which are developing. The favorable prospects certainly make the current prices for securities ridiculously low, and that this will be demonstrated later on there is no doubt."

ADVERTISERS wishing to reach the manufacturers of all classes, mining companies, steel, iron and hardware dealers of the entire South, cannot find a better medium than the BALTIMORE MANUFACTURERS' RECORD. We are always prepared to furnish proof of our claims as to circulation.

A Financial Centre Needed in the South.

The financial stringency throughout the South, as our readers know, is just now very severe. Southern bankers are accustomed to lending money to the merchants very liberally during the early spring and summer months, and they in turn lend it to their customers among the planters. At this season the banks in the South draw largely on New York for money for these purposes. Prior to the late financial troubles in New York the Southern banks had put out their ready money quite freely, expecting, as heretofore, to obtain funds from New York as needed for summer business; but for the last month or so it has been almost impossible to do this. Hence the banks at the South have had to shorten their acccommodations to the merchants, and the merchants have had to refuse to help many of their best customers. This condition of affairs is much to be regretted; but fortunately the heavy wheat crop is helping the farmers out, and the prospects are now favorable for good cotton and corn crops, which will stimulate trade and revive all branches of business at the South.

There is a lesson to be learned from these facts, however, and we hope the business men of the South will appreciate its importance. To avoid such a trouble as this in the future, the Southern States must be less dependent upon New York, and this can be accomplished by building up a great Southern trade and financial centre. It is obviously to the advantage of every business interest of the South that somewhere in that section there should be a large trade centre with abundant banking facilities, being to that portion of our country what Chicago is to the West. Whether New Orleans, Atlanta or Baltimore is most favorably situated for this, it is difficult to say, as each of these cities has peculiar advantages; Atlanta, however, might almost be omitted, as her banking capital is entirely too small, even for her own trade. One of these three cities ought to hold this position, and thus do away with the present entire dependence upon New York in financial matters. Were this the case now, the trouble in the money market at the South would be of comparatively little importance. A work of this kind can of course only be accomplished slowly, but it is a subject that should receive the earnest attention of all Southern business men, and especially of the bankers of the South. The rapid increase in the wealth of the South, the enormous development of her mannfacturing and mining interests, and the steady growth of her population, require a corresponding advance in her banking facilities.

IN a late issue we credited an article to the *Republican*, Hagerstown, Md., instead of Havre de Grace.

How One County has Grown since 1880.

A few days ago the people of Botetourt county, Virginia, gathered in great crowds to celebrate the opening of three iron bridges across the James River. The chief speaker of the occasion was Mr. Walter N. Johnston, one of the leading movers in the development of that section. After enumerating some of the many advantages of the Old Dominion, and especially of Botetourt county, and giving the statistics of population, wealth, &c., of that county in 1880, as shown by the census, Mr. Johnston said:

"The statistics chiefly given are from the United States census of 1880. At that time we had only five miles of railroad. To-day we have eighty miles, all built without one dollar of expense to the people of Botetourt. At that time we had to ferry, or wade, or swim James River. Now we have three fine bridges, located at central points, convenient to the people. At that time our iron mines were idle; now that industry is large, with one large furnace going up and others projected. At that time our fruit-canning establishments were in their infancy; now this industry is a large one, with success assured. Since 1880 there has been material growth in every department of business and branch of industry. This would have been impossible without the railroads.

The outcome of the future is dependent upon the courage and industry of this people. We need more capital. This will come! The sensible, practicable thing to do is to put heads and hands, our hearts and purses together, and start additional manufactories. Let the beginning be small, show the world that there is money in the business, and capitalists will come to enlarge and build it up. Few counties in the State are blessed by a beneficent Providence in natural wealth as this of ours. Railroad facilities, mineral resources, proximity to markets, agricultural values, water powers, climate, every thing, combine to make us a great and prosperous people. Shall we sit idly down and wait longer for the projectors of great enterprises to come to us, or shall we be up and doing for ourselves. The day of little things has not passed away. Let us aggregate our small capital into joint stock companies and start industries which will grow in time and make the stockholders independent, if not wealthy, men. There are many within the sound of my voice who will live to see this James River Valley blossom and bloom as a rose; live to see the hills and valleys of Botetourt lighted up by many a forge and furnace; live to see your river road here doing an immense business, with the shrill whistle of the locomotive making music for you every hour of day and night. Let us not wait for this day to come, but let us rather put our brains and purses together to hasten its coming."

What has been accomplished in this one county, as so graphically pointed out by Mr. Johnston, is simply a sample of what has been done all over the South since 1880. The figures of the last census are utterly valueless, so far as showing the present position of Southern industries. From one end of the South to the other there is the same rapid progress that has marked Botetourt county; and if the people of that section want to see a still more rapid growth in the future, they have only to follow the advice given in the preceding extract, and put their "heads and hands, hearts and purses, together," and by united effort build up new industries. It is true that they may only be able to start some of the smaller industries, but these are what the South most needs, and they will soon develop into greater ones.

Condition of the Blast Furnaces July 1.

The report of the condition of the blast furnaces of the United States for the first six months of the year, as given in the Iron Age, shows that the number of furnaces in blast July 1 was 279, against 269 April 1 and 288 January 1,—a decrease compared with January, but a slight increase over April, due to the fact that a number of charcoal furnaces, which usually go out of blast in winter, have gone in since the spring opened. There are now 424 furnaces out of blast, against 432 in April. Comparing these figures with last seven years, we see the relative condition of the furnaces on July 1.

FURNACES IN BLAST JULY 1.

	1878.	1879.	1880.	1881.	1882.	1883.	1884.
Charcoal....	64	81	131	147	151	111	80
Anthracite..	95	101	167	146	164	124	101
Bituminous.	89	95	115	144	119	108	98
Total.....	248	277	413	437	434	343	279

FURNACES OUT OF BLAST JULY 1.

	1878.	1879.	1880.	1881.	1882.	1883.	1884.
Charcoal....	202	176	126	125	126	159	167
Anthracite..	130	125	68	90	72	107	120
Bituminous.	128	107	109	77	109	116	127
Total.....	460	408	313	292	307	362	494

It is estimated that the production of pig iron during the first six months of the year was 2,198,257 tons, against 5,146,972 tons for the whole of 1884.

MESSRS. MASON & CO., of Charleston, S. C., proprietors of the Mason Cylinder Cotton Gin, are now negotiating with prominent cotton gin manufacturers North and South, with a view of placing their new style gins on the market in time for the coming crop. The Charleston News and Courier praises this gin as a most important discovery, promising to supplant the costly and dangerous saw gin. It is proposed to permit gin manufacturers to use this invention upon their own frames upon the payment of royalty.

CORRESPONDENCE relating to the manufacturing, mining, lumbering and all other material interests of the Southern States is solicited. We invite those interested in the development of the South to make free use of our columns. Reaching so many capitalists in all parts of the United States seeking profitable investment in the South, the MANUFACTURERS' RECORD offers an excellent chance for the people in that section to place the advantages of each locality before those likely to be interested. We will take great pleasure at all times in telling what has already been accomplished in the South, and showing up the opportunities of doing still more,—so if you desire to attract immigration or capital, or if you know of an opening for profitable investment in manufacturing, mining or kindred pursuits, write us an account of it. It will be published free of cost.

CONSTRUCTION DEPARTMENT.

We publish, every week, a list of every new factory, of whatever kind, projected anywhere in the South; every railroad undertaken, and every mining company organized. This information is always fresh, and, by enabling manufacturers to correspond with the projectors of such enterprises before their supplies of machinery have been purchased, is of great value. Manufacturers will find it to their interest to read this department carefully each week.

The Del Rio Street Railway Co., stock $20,000, has been incorporated in Del Rio, Texas.

J. A. Meadows, New Berne, N. C., is building a large grain warehouse and elevator.

It is understood that a large tobacco factory will be built in Farmville, Va., by C. W. Blanton.

Sapp & Brown, Kernersville, N. C., have commenced making brick for building their new tobacco factory.

Ennis, Texas, will probably have a 50-brl.-a-day flour mill.

W. J. Cooper, Salem, N. C., is enlarging his flour mill and putting in new machinery.

Bynum & Cotten, Ogburn & Hill and Blackburn & Dalton are all at work building their tobacco factories in Winston, N. C.

M. D. Collins and J. D. Lynch have received contract to grade 10 miles for the narrow-gauge road to start at Shreveport, La., and run to Bremond, Texas.

It is reported that the Gulf, Colorado & Santa Fe Railroad will build a line from Midlothian, Texas, to Waxahatchie.

The Vicksburg Gas-Light Co., of Vicksburg, Miss., will put in new machinery and enlarge their works.

The Cumberland Boom and Lumber Co. has been incorporated in Tennessee by C. R. Handley, J. N. White, W. C. Cook, J. R. Handley, and John P. White.

The County Court, Nashville, Tenn., has appropriated $100,000 to build a bridge across the Cumberland River.

Director-General Burke, of the World's Exposition at New Orleans, has issued proposals for furnishing steam engines, boilers, shafting, &c. Proposals for engines will state diameter of cylinder, length of stroke, number of revolutions per minute, diameter and width of driving pulleys. It is estimated that 4,000-horse power will be required. Bidders are to state terms upon which they will furnish engines. Proposals for boilers will be for all or part of 4,500-horse power of the boilers. The other proposals will be for shafting, compression, coupling miter, and beveled gear, &c.

A large saw mill is to be built on the Underwood Canal, near Palatka, Fla.

Chas. B. Ross, of Knoxville, Tenn., will develop gold mines, put in machinery, &c., at Coker Creek Postoffice, Tenn.

John E. Hurst, T. P. Baldwin, Lloyd Jackson, John A. Horner, and others, of Baltimore, have organized a stock company and purchased the Manchester Cotton Mills, Manchester, N. C.

The United States Manganese Mining Co., stock $500,000, has been incorporated in Covington, Ky., by Wm. B. Furman, Alex. L. Greer, Saml. Furman and Jas. A. Greer, to do a general mining and manufacturing business in ores, metals, coal, &c., and especially in manganese.

The American Fire-Escape Co., stock $300,000, has been incorporated in Covington, Ky., by Henry A. Hills, Frank Burnham, Henry F. Wood.

The Enterprise Hotel Co., Darlington, S. C., will build a hotel.

The Flat Top Coal Co., owning extensive coal property along the Norfolk & Western Railroad, in southwest Virginia, have leased large tracts of land to other companies for mining on royalty. Benry & Cooper have leased 275 acres; Robert Goodwill and John Freeman, 275 acres; the Simmons Creek Coal and Coke Co. 200 acres, and Pennsylvania parties 254 acres; while other companies are now negotiating for leases.

The boiler of W. H. Bobo's planing mill, Fish, Ga., exploded July 9, wrecking a large amount of machinery.

John D. Fred, of Macon, Ga., will build a $6,500 jail at Green Springs, Fla.

The Cleburne Water and Ice Co., stock $75,000, has been organized at Cleburne, Tex., to operate the water-works at that town.

T. J. Flood having thrown up his contract to build the court-house at Covington, Ga., the work has been awarded to Jas. Smith, of Sparta, Ga., for $28,000.

The Georgia Marble Co., Tate, Ga., are putting in new machinery and enlarging operations.

Work has been commenced on the new tobacco factory of Duke & Co, Durham, N. C., previously mentioned. It will be one of the largest tobacco factories in that State.

John R. McLean, of Cincinnati, Ohio, will erect a 400-room hotel in Washington, D. C.

D. Hicks, Waldo, Fla., is preparing to build his saw mill, previously mentioned.

The El Rey Copper Mining and Reducing Co., stock $500,000, has been incorporated at San Antonio, Texas.

A. D. Estill and Maj. Joliffe have rented the foundry of the Lexington Manufacturing Co., Lexington, Va , and will put it in operation right away.

John R. Erwin, Charlotte, N. C., has purchased the old Rock Island Mill property, 12 miles from that city, and, in connection with S. H. Hilton, he will fit up an extensive flour mill, and also fill one of the houses now standing with cotton machinery.

B. K. Jamison, a Philadelphia banker, and others, have purchased 100,000 acres of coal and timber land in the New River section of Southwest Virginia. A railroad will be built to give them an outlet into Ohio and Kentucky.

The Marble Valley Railroad, in Knox Co., Tenn., has been chartered by J. L. Galloway, C. A. Frame, W. R. Cooper and others.

Bibb Branch Coal and Coke Co., Birmingham, Ala., are putting in new machinery and enlarging their operations.

The Warrior Coal and Coke Co., Warrior, Ala., previously reported, will soon be ready to commence mining coal.

T. C. Woodward, 177 Elm street, Cincinnati, Ohio, and others, are negotiating for establishing glass works in Birmingham, Ala.

A company has been organized in Tullahoma, Tenn., by Mr. Seaton and others, to manufacture the Seaton road wagon. Will erect a factory.

E. P. Howell, Ildo Ramsdell, H. W. Grady, and others, of Atlanta, Ga., have organized the Fulton Copying and Manufacturing Co.; stock, $20,000.

J. T. Critcher & Son, Roxboro, N. C., will erect a buggy and wagon factory.

Chas. Hardy is superintending the putting in of the machinery of the new flour mill at Wartrace, Tenn.

It is reported that grading and track-laying will soon be commenced on a road from Midlothian, Texas, to Waxahachie.

The Wilmington & Weldon Railroad, Wilmington, N. C., will survey for a road from Warsaw, N. C., to Clinton.

The East Florida Land and Improvement Co., previously reported, are at work on their large saw mill at St. Augustine, Fla., and have ordered considerable machinery.

The Greeneville Woolen Mills, Greeneville, Tenn., are adding to their machinery.

H. B. & J. L. Thomas, Broadway, N. C., will erect flour mill.

John McDougald, Harrington, N. C., will overhaul and repair his mill.

S. H. Milliken, of Weatherford, Texas, is president of a newly-organized company to build a railroad from Mineral Wells, Texas, to Millsass; money secured.

Doherty Bros., Warm Springs, N. C., manufacturers of barytes, are buying new machinery, to enlarge their mills.

J. G. Dailey, Rome, Ga., comtemplates putting up a large furniture factory.

J. T. Hart, Monroe, N. C., will rebuild his planing mill just burned.

The corner-stone of the Crown Cotton Mills, Dalton, Ga., previously reported, was laid July 10. Wiley Patton is superintendent.

John Moser & Co., Anniston, Ala., are opening extensive marble quarries.

Jos. & Jacob Clebel, Montgomery, Ala., will erect carriage factory.

The National Investment and Development Co. has been incorporated in West Virginia, with privilege of holding real estate to value of $100,000 and personal property to $150,000. Object is for the investment of money in ice factories, cold-storage warehouses, &c. Principal office, Washington, D. C. J. W. Starr, Wm. H. B. Ramsey, and others, of Washington, D. C., incorporators.

W. W. Bryan & Co., Centreville, Md., are erecting a grain warehouse and elevator.

The C. B. Cailer Lumber Co., stock $100,000, has been organized at Terrell, Texas.

The Marlin Lumber Co., stock $30,000, Marlin, Texas, has been incorporated.

Kaufman, Texas, is to have a $15,000 court-house.

BURNED.

J. J. Hamilton & Son's planing mill at Paris, Tex.; loss $20,000.

Pulaski Cotton & Woolen Mills, Pulaski, Tenn.; loss over $25,000.

Large saw and planing mills of L. Bucki & Son, Ellaville, Fla.; loss $125,000.

Planing mills of J. T. Hart, Monroe, N. C.; loss $2,000.

The factory of the Raleigh Cotton Gin Co., Raleigh, N. C.; loss $1,500.

Holden's Patent Pocket Mosquito Bar.

The accompanying illustration shows one of the best devices for comfort that has been seen for a long time, and for those who live where mosquitos are thick it is almost invaluable. It is a handy mosquito bar that can be folded up and carried in the pocket and quickly adjusted when needed to give perfect protection to the head and neck from all winged pests. In its construction there are five cross-bars united by a rivet through their centre at the top. These bars are buttoned on to studs on the neck-band. They are of best light spring steel; the neck-band of best hard spring brass; the cover is of handsome light material. It is very easily put together, no trouble to put on or take off, and folds compactly in a round paper box six inches in diameter by one inch deep. It can readily be worn night or day. The manufacturers say of it that "here is emphatically the latest thing out The mosquitos and gnats are also 'out' and they are out to stay. If revenge is sweet you will get your money's worth in sweetness alone. If you are mosquito-proof you do not need one; if not, and you value comfort and sleep, under all circumstances get a 'P. M. B.' and be happy."

A sample will be sent by mail to any address, postage paid, on receipt of price, namely: $1 25 for No. 1, covering best AA mosquito netting; and $1 50 for No. 2, covering fine quality bobbinet. Address Alexander McComas, 22 S. Calvert street, Baltimore, Md.

Westinghouse Engine Items.

Edwin M. Ivens & Son are doing a heavy business in centrifugal pumps for drainage and irrigation. They have built new shops in New Orleans, and report themselves as overrun with orders. Their pumps are all driven by direct connection, the engine being coupled direct to the pump shaft, and making from 300 to 500 revolutions, according to the service to be performed. For this purpose the Messrs. Ivens use the Westinghouse engine exclusively, dispensing with belts. During the spring floods they ordered their engines from the makers at Pittsburgh by the carload, until their stock was completely exhausted, but were still unable to supply the demand. The dry season is equally prolific of business in this line for irrigation. Indeed, a sugar plantation may be said to be in a chronic state of pumping—pumping in or pumping out.

The Texarkana Ice Co. have purchased a 20-horse power Westinghouse Engine to drive their ice machine.

Siddall & Carroll, of Calvert, Tex., have purchased a 40-horse power Westinghouse Automatic Engine for their new planing mill.

The Arkansaw Oil Co., at Texarkana, has purchased a 30-horse power Westinghouse Automatic Engine to drive their machine shop and electric lights.

The Jackson Lime Co. is a new enterprise at Blount Springs, Ala. They have purchased a 50 horse power Westinghouse Automatic Engine for their barrel factory.

The Piedmont Cotton Mills, Piedmont, S. C., are supplementing their water power by steam, for which purpose they are now erecting a Westinghouse Automatic Engine of 160-horse power.

Texas is rapidly growing in its manufacturing interests. The Dallas Barrel and Woodenware Co. is a new and promising enterprise. They are fitted up with the most efficient machinery, which is driven by a 50 horse-power Westinghouse Automatic Engine.

Geo. W. Moyers reports the town of Altamonte, Fla., as booming. Building is more than active, and his saw and planing mill is crowded with orders. He has recently enlarged, and has put in, for increased power, two more of the Westinghouse Automatic Engines of 50 and 30 horse-power respectively.

LOCKWOOD, GREENE & CO.

MILL ENGINEERS

Office, 65 Westminster St., Providence, R. I.

Carefully prepared plans, specifications and estimates furnished for the construction, equipment and organization of new mills and the revision and improvement of old.

MANUFACTURING.

Subscribe to the Baltimore Manufacturers' Record. Price $3 per year.

MR. WM. L. PETTIT, boiler maker, No. 40 York street, has just finished the overhauling of the tug-boat Laura B. Treusch, and is about completing the contracts lately mentioned in the MANUFACTURERS' RECORD, namely: U. S lighthouse tender Holly and others, and has finished the steamers Lady of the Lake and the Armenia. He has a liberal amount of repair work on hand.

MR. W. J. CHAPMAN, direct shipper of coal and Connellsville coke, York and William streets, reports his business as very satisfactory,—orders coming in continually for coal and for this well-known coke. Parties using this coke pronounce it the best and are so well satisfied that it has built up a ready sale. During the summer months it is the desire of housekeepers to obtain a fuel which will do the same amount of cooking and not give so much heat as coal, and these qualities can be found in coke, while manufacturers in the city and outside have found it to be more economical in some instances than coal, and many have adopted it. Mr. Chapman is prepared to fill orders for family or for factory use.

MR. R. SWORMSTEDT, general agent of the Ewart detachable belting, No. 48 S. Frederick street, reports orders coming in from the South and his local trade booming. He has shipped a large amount of this chain through the South, and his business increased to such an extent as to compel him to move to the above location. He has now on hand a very full and varied assortment of chain.

MESSRS. J. F. HESSE & SON, N. Holliday street, cutlers and grinders, report business as looking up, orders being received from the South, and their local trade on the increase. They do a large amount of work for the city trade, due to the character of the goods and the promptness with which they have been turned out.

MR. JAS. BATES, manufacturer of Bates' improved elevators, corner Pratt and President streets, has received a number of orders for his well-known elevator from this city as well as from all parts of the country. He has a large list of firms at home and abroad who are using his elevator. To those in need of the same he will send an illustrated catalogue free of cost.

MESSRS. JAMES MURRAY & SON, machinists, report activity in their business. They have received an order for brick machinery, calling for three clay-tempering machines for a firm in Washington, and have a contract for a marine railway to go to Seaford, Del. In addition to this they have a large amount of repair work on hand.

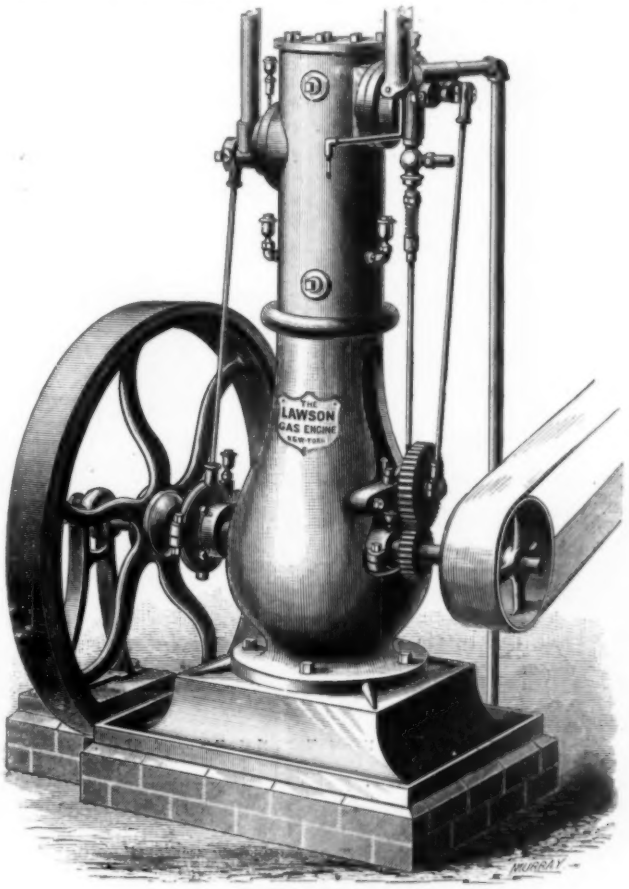
THE well-known foundry and machine shop, the Vulcan Iron Works, is now in full blast, and the proprietor, Mr. H. R. Hazlehurst, reports it is well equipped to do all kinds of new and repair work, having facilities for handling very heavy work which are unsurpassed.

Important to Southerners.

Persons arriving in New York via Cortlandt Street Ferry, by taking the 6th Avenue Elevated Train, corner Church and Cortlandt streets, can reach the Grand Union Hotel in 42d street, opposite Grand Central Depot, in twenty minutes, and save $3 carriage hire. If en route to Saratoga or other summer resorts via Grand Central Depot, all baggage will be transferred from hotel to this depot free. 600 elegantly furnished rooms $1 and upwards per day. Restaurant the best and cheapest in city. Families can live better for less money at this hotel than at any other first-class hotel in the city.

The Lawson Gas Engine.

The value of gas engines is constantly becoming better understood, and as a natural consequence the demand for them is steadily increasing. Their merits for many kinds of work cannot be ignored. Having no boilers, they require no engineer, and, having no steam, there is no danger of an explosion or fire, hence they do not necessitate extra insurance. They are safe, clean and economical, and their full power can be obtained instantly, simply by applying a match. We do not recollect of ever having heard of any one who having once used a gas engine was dissatisfied with it. There are, of course, different makes, one of which we illustrate to-day. The Lawson Gas Engine, shown in the accompanying cut, has received very high commendation from those using it, and the manufacturers say of it that for "elegance of design, reliability, compactness and simplicity, it is unsurpassable, and that it has fewer working parts, is positive in its action, has no springs to be carefully adjusted, has less friction, requires less attention and cleaning, and last, but not least, is offered at a much lower price than any engine in the market."



THE LAWSON GAS ENGINE.

Mr. Wm. C. Codd, 306 and 308 Alice-anna street, is general Southern agent for this engine, and full particulars as to price, &c., can be obtained from him.

Exports of Cotton Goods.

Mr. Robert P. Porter, writing from Atlanta to the Philadelphia Press, says:

Many of the Southern cotton mills, and especially the mills of Georgia, export large quantities of goods to China, Africa and Mexico. These markets, the manufacturers say, are not only open to America, but are increasing in importance.

"You find yourself able to compete with England and Germany," I said to a manufacturer who turns out annually 15,000,000 yards of cotton cloth.

"Upon the whole, yes. We have a little advantage over England in the cost of raw materials. The English make that up in a considerable measure against us by loading their goods with cheap starch and clay, a thing which we have not practiced to any extent. Our goods are of a better quality, and at the same time we have to sell them in competition with their goods, the weight of which is largely made up of this clay."

I did not notice any disposition on the part of Georgia manufacturers to risk the loss of a home market for the sake of the markets of the world. For example, in reply to my question on the ability of Southern manufacturers to compete with European countries, Mr. Francis Coggin said: "We are able to compete at the present low prices of goods. If goods were higher we could not export. For instance, when we are selling our sheetings at eight cents a yard there, we could not export any at all, because we could do better with our goods at home than by sending them abroad; but at the present prices we can do as well with them in the foreign market as at home."

"How long have you sent goods to Africa?" I inquired.

"The market in Africa has not been open to us until within a few years. But our goods are becoming very popular there, and I suppose they would take all the productions of our mills if we chose to send them there."

"From that state of things, I suppose you would infer that the manufacture of goods of the class that you are making might be expanded indefinitely in this country without glutting the market?"

"I think so."

"That is because the foreign markets are open to you?"

"Yes. These are the kind of goods that are wanted in those markets, and there is a much wider demand for them than there is for finer styles."

"What part of Africa do you send those goods to?"

"Southern Africa."

"What are your views on the Chinese markets, which free-traders talk so much about?"

"I think there is market enough for the coarse goods of all the mills that will be started in this country for the next twenty years. All we require is to establish houses there, as the English have done. If we had our goods represented there by our own house we would have no trouble at all in selling all the goods that we could send."

"You think, then, that it is impossible to overestimate the manufacture in this country of the class of goods which you are making?"

"That is my opinion. We will produce more than our own country will require, but our goods are of the style that are in demand in those other countries."

"Does the tariff in any way injure your prospect in those markets?"

"Not in the slightest. The tariff merely secures our home market, and prevents England's invasion of it. Like the home guard, it acts as a defense while we are conquering the markets of the world. Had it not been for the tariff our cotton industry would never have reached its present proportions."

The above is the opinion of one of Georgia's most successful manufacturers. The success of Southern cotton goods in the foreign markets of the world will be due alike to their quality and cheapness. I was told that certain manufacturers had once tried the English dodge of loading their goods with "breadstuffs." These goods are still held in stock by certain mills in the South. This should be a warning. Let the American brand be sufficient proof of the genuine quality of the article. Foreign countries will soon find out the difference in the quality, and our manufacturers will be rewarded by increasing foreign trade, which is welcome when not obtained at the cost of our home market.

List of Patents.

The following patents were granted to citizens of the Southern States, bearing date July 8, 1884. Reported expressly for this paper by Louis Bagger & Co., mechanical experts and solicitors of patents, Washington, D. C.

301,784. Adams, Benj., Norfolk, Va. Adding machine.
301,656. Albrecht, J. C., Columbus, Ga. Axle-box lid.
301,560. Brooks, G. W., Coleman, Tex. Spiral ring.
301,668. Bush, T. J., Lexington, Ky. Clamp plate for railway rails.
301,798. Bywaters, J. K., Paris, Tex. Car-coupling.
301,671. Carrico, T. W., San Antonio, Tex. Mold for mold-hoisting apparatus for building concrete walls.
301,810. Dyer, J. F., Atlanta, Ga. Treadle-motion.
301,583. Frank, David, Allentown, Va. Railway-switch.
301,584. Gano, G. B., Easton, Md. Car-coupling.
301,713. Gibson, J. F., Springvale, Va. Combined lamp and foot warmer for vehicles.
301,562. Lauraine, E. G., Cuero, Tex. Ruffling attachment for sewing machines.
301,616. Mallory, A. R., Madison, Ga. Plow-point.
301,568. McCormick, J. G., Louisville, Ky. Car-starter.
301,741. Meredith, W. C., Belton, S. C. Fire extinguisher.
301,623. Milnor & Gerhardt, Baltimore, Md.—Trunk.
301,827. Muse, S. D., Monticello, Ga. Gate-latch.
301,747. Osborn, A. E., Waco, Tex. Oil-press mat.
301,834. Rueckert, Jno. R., Baltimore, Md. Fluid discharge and vent faucet.
301,527. Schofield, James, Marshall, Tex. Car-coupling.
301,766. Springstein, H. B., Atlanta, Ga. Treadle attachment.
301,768. Stevenson, W. H. H., Baltimore, Md. Fruit-can.
301,642. Thomas, G. W., Fuselier Home Place, La. Curve for portable railways.
301,776. Tucker, Sylvester J., Richmond, Va. Refrigerating car.
301,651. Weeks, Silas H., Russell, Ky., and J. J. Hasenauer, Ironton, Ohio. Car-coupling.
301,843. Wiley, Philip W., Raleigh, N. C. Machine for attaching labels to packages.

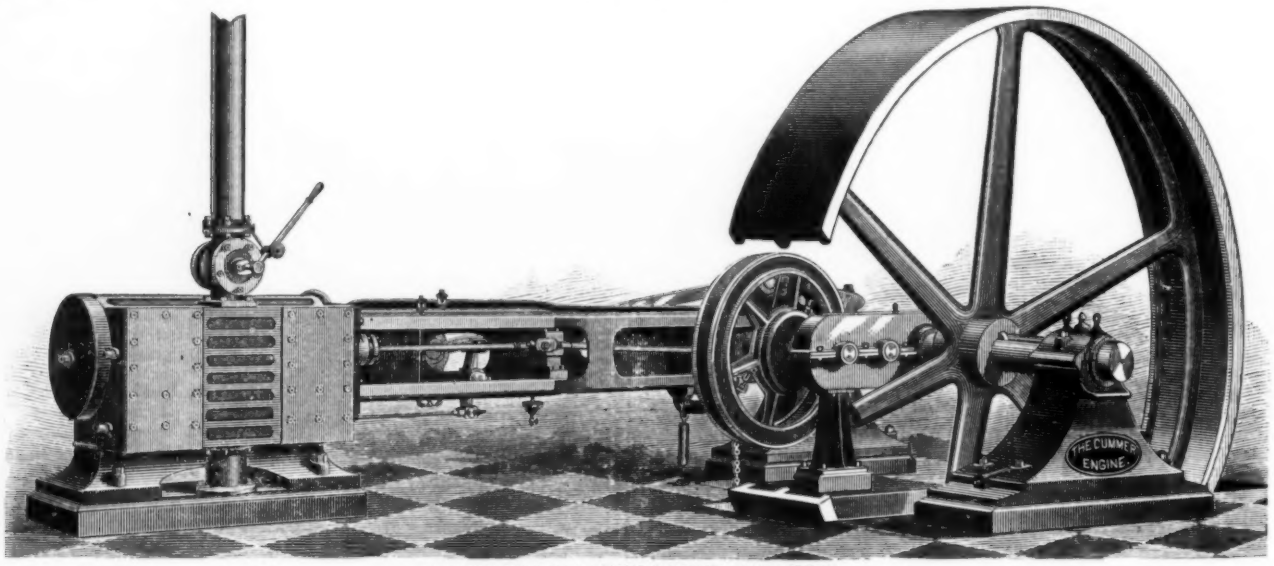
ADVERTISERS wishing to reach the manufacturers of all classes, mining companies, steel, iron and hardware dealers of the entire South, cannot find a better medium than the BALTIMORE MANUFACTURERS' RECORD. We are always prepared to furnish proof of our claims as to circulation.

The Cummer Automatic Engine.

The Cummer Engine Company's Works, Cleveland, Ohio, has become one of the largest and best-equipped institutions in the whole country, and we take pleasure in presenting the accompanying illustration of their class "C" engine.

It has been but about one year since their large plant at Cleveland turned out the first engine. The shops then were thought to be equal to all demands that might be made on them, but already the company has been compelled to enlarge their works, and to add a large number of very heavy and fine tools, which are now being built to order. They have lately placed their order for three very weighty lathes, that will swing 5 feet, and for a large horizontal turning and boring mill, with a capacity to turn a pulley 20 feet in diameter by 5 feet face. This mill is to have a special feature in the shape of a slotting or key-seating device that will key-seat the pulley perfectly as soon as turned and bored, without ever moving it from its centre.

They are also putting in a very large steam hammer, which will soon be in operation, and are again adding large and very durable buildings. The Cummer engine has received the most careful attention from its makers, and every detail is as closely and critically constructed as good work can be. The templets and standard gauges for every part of the engine are very complete and accurate. In the different departments each part or piece of the engine is made to its templet, and when the pieces are assembled on the erecting floor they accurately fit the places intended for them. The Cummer Co. report orders steadily on the increase, and say that the outlook for 1884 is very flattering. They claim to have the best automatic engine ever built. It is clear of trappy devices, as the cut plainly shows. The governor of this engine is a marvel of ingenuity, simplicity and durability. The remarkable promptness with which the governor acts and meets variable loads thrown on or off the engine is a source of great interest to even the best engineers. From the fact that many large and influential manufacturing companies have been and are placing their orders for Cummer engines the popularity is evidenced. The Pennsylvania Railroad Co. have just placed their order for one of these engines, 130-horse power, for their large shops now being built in Indianapolis, Ind. Before deciding their experts made two separate tours of inspection, visiting the prominent engine shops and examining the different engines in operation and in course of construction. The fact that the acknowledged skill of the experts of this important company in matters of steam and steam economy has selected the Cummer engine is, no doubt, received by its makers with much satisfaction and pleasure.



THE CUMMER AUTOMATIC ENGINE—BACK VIEW.

Southern and Northern Failures

In the six months ended June 30th the liabilities of failed firms in the United States amounted to $124,391,282, against $66,189,034 in 1883, and $50,580,920 in 1882, in the corresponding period The average, therefore, has more than doubled. The Southern States, however, present a relatively cheerful contrast to this remarkable record. The comparison is of sufficient interest to date in detail, the following table showing the liabilities in each State:

	1884.	1883.	1882.
Alabama.....	$456,600	$489,000	$1,022,276
Arkansas	636,525	279,568	522,343
Florida.....	161,610	195,800	84,100
Georgia.....	1,865,660	1,150,358	1,142,021
Kentucky.....	1,106,042	887,427	2,646,020
Louisiana.....	3,75',989	1,498,631	2,510,280
Mississippi....	1,480,832	809,122	1,773,290
N. Carolina....	709,334	975,227	406,900
S. Carolina....	587,878	657,755	626,517
Tennessee.....	696,697	455,496	1,205,070
Texas.....	1,660,637	1,345,333	773,501
Virginia.....	1,650,881	885,011	917,999
W. Virginia...	443,700	280,453	83,784
Total.....	$15,245,785	$9,909,181	$14,714,101

The liabilities on failures in the South were 53% greater than in 1883, and only 6% greater than in 1882 The failures in other sections of the country, ascertained by deducting Southern failures from the grand aggregate, show an increase of 92% as compared with 1883, and about 201% as compared with 1882.

In 1884 the Southern failures show an aggregate of liabilities of $15,245,785, and those of other sections $109,145,497, the proportion of the former to the latter being 14%. In 1883 Southern liabilities were $9,909,181, and those elsewhere $56,279,853, the proportion being 18%. In 1882 Southern liabilities amounted to $14,714,101, and those of other sections to $35,866,819, the proportion being 41%. In all references we mean the first six months of the years mentioned.

The relative difference shown in these comparisons are certainly remarkable, and they would have been much more so if the cotton and sugar losses of Louisiana had not made a record quite out of keeping with the general experience of the South. The real trouble was in the recent speculative failures in New Orleans.

The point of these relative comparisons depends on the philosophy of commercial relations and sympathies. A general high average of failures implies the existence of the general definite causes, and the fact that Southern failures were so much behind those of other sections argues very obviously that the Southern States were less dominated by the evil agency which has been sapping mercantile capital and credit. This agency has been clearly manifest. It is speculation. It is to this that we must ascribe nine-tenths of the nation's recent troubles. Speculation in the Stock Exchange, by booming railroad properties to absurd values, stimulated railroad construction and contributed powerfully to push iron and steel trades into the excesses from which they are now suffering. Speculation in merchandise deranged theories of values, and methods of business, and this reacted upon the trade and industry in the aggregate. The figures demonstrated by the penalties paid where the evil was the greatest, and it is a ground of warm congratulation to the South that in the main her record is so much brighter than that of the North. It was not always thus, and it is a happy omen that she is learning prudence.—Courier Journal.

The Ratio of Operatives in the Southern Mills Compared with New England.

[From Manufacturers' Gazette, Boston.]

In ours of June 28 we called the attention of our brother Edmonds, of the BALTIMORE MANUFACTURERS' RECORD, to the fact that he had misquoted us to a certain extent. We are glad to see in his of July 5 he takes notice of it by saying that we complain. Not at all. We do not complain when we are treated gentlemanly, as we always have been by brother Edmonds and his paper, but in his first quotation from us, where we ask for certain information with reference to the number of operatives upon a particular class of goods, known as plaids, ginghams or colored goods, in his taking up the matter it drew out from personal friends of ours through the South information which did not relate to the matter then questioned. We are quite sure it was not his intention, or his wish, indeed, to misrepresent what the editor of the Gazette did say, and neither himself nor any of his Southern correspondents shall have a right to complain of any strictures upon them or their management. They have given us access to their books, in many instances, and, with a single exception, we have always been treated gentlemanly when asking for information, and that exception occurred in the city of Richmond, Va., and was not worth our notice. No man has more interest in the success of cotton manufacture in the South than the writer of this, who is now interested in reforming the management of two, and advisory in a third, mill, which has been mismanaged previously, and in two of these the introduction of Northern system and experience has so far satisfied the directors that at their annual meeting a handsome increase of our price for services rendered was unanimously voted, and in the third one such a change had already been made as to lead the board of directors to especially recognize the increase of production and of quality.

No man wishes the Southern manufacturers any better success or more of it than we do. What we do wish, however, is to get at the facts. Let us know them instead of having the hurrah, to which we previously referred, of some of the journals that this, that or the other should be done, but rather treat with facts, for we are sure there are as intelligent men in connection and control of the Southern mills as are in New England. But when the plaid mills of the South, old, wornout, meet to consider what shall be done with the tariff, and the compilation of statistics of their own rendering shows that forty-nine persons are employed to every thousand spindles, when the New England mills on the same class of goods have less than twenty-five, and some of their own mills, one in particular, only employ twenty work people for 1,000 spindles on the same grade of goods, then, as we stated in the original article, which has been the subject of so much criticism, the tariff is not a question to enter into it. Neither a Northern nor Southern mill can to-day make any money if they employ two persons to do what one person should. This of itself would wreck any institution. Now, let us have any facts, either through the RECORD or from the mills themselves, and see if the outcome is not an entire justification of our position that the mills that are financially successful do not employ fifty people per thousand spindles. That is the whole question, and everything else in relation to it will certainly find the same attention in our columns that our own utterances do in every case where they are submitted.

We take pleasure in presenting the above from the Gazette. It emphasizes the need of more light upon this subject, and we again invite Southern cotton manufacturers to discuss the points suggested.—[Ed. MANUFACTURERS' RECORD.]

ONE of the best hotels in the West is the Palace Hotel in Cincinnati. The building is a large, handsome stone structure, fronting on three streets. It is handsomely furnished, its clerks are polite and obliging, and everything conducive to the comfort of its guests is carefully attended to Its rates are as low as at any other first-class hotel.

☞ *If you are not already a subscriber to the* BALTIMORE MANUFACTURERS' RECORD, *send us $3 and you will receive it regularly for one year or six months for $1.50.*

THE MARKETS.

OFFICE MANUFACTURERS' RECORD,
BALTIMORE, July 16, 1884.

Notwithstanding the fact that failures are still rather numerous, it is very generally believed that the signs of the times point to a decided improvement in trade as the fall season opens. An unusually large wheat crop, with good prospects for an equally satisfactory yield of corn, and a fair cotton crop, all combine to strengthen the business situation, and to give assurance of increased activity in the near future.

There is a rather better feeling in the manufactured iron market, with more favorable indications for a larger volume of business. We quote as before, viz:

Ref. Bar Iron, 1 to 6x⅜ to 1.....	₩ lb.	1.9@	2 c
" " 1 to 4½x1½ to 1..	"	1.9@	2 c
" " ⅜ to 2, round and square.....	"	1.9@	2 c
Hoop Iron, 1½ wide and upward	"	2.8@	3 c
Band Iron, from 1½ to 6 in. wide	"	2½@	2.6c
Horseshoe Iron.....	"	3.2@	3.3c
Norway Nail Rods.....	"	5 @	5½c
Black Diamond Cast Steel.....	"	10 @	11 c
Machinery Steel.....	"	4½@	4¾c
Spring Steel.....	"	3½@	4 c
Common Horse Nails.....	"	10 @	11 c
Railroad Spikes, 5½x9-16.....	"	2.5@	2.6c

The pig iron market shows no change, either in the volume of trade or in the condition of prices, and we repeat quotations, viz:

Baltimore Charcoal Wheel Iron (all Baltimore ore)..	$28 00@29 00	
Virginia C. B. Charcoal Wheel Iron..	28 00@—	—
Anthracite, No. 1.....	21 00@23 00	
" " 2.....	20 00@21 00	
" " 3.....	18 00@20 00	
" Mottled and White.....	16 00@17 00	

Philadelphia Iron Market.

PHILADELPHIA, July 14, 1884.

Several brokers are around to-day seeking orders for fall deliveries of pig iron, at $17.50 for forge, $18.50 for No. 2 and $20 for No. 1. These figures represent average prices for average brands. This half year's decrease in production has been about 12%. Prices are steadier than they have been for a month; this is due to the anticipation of large purchases this month and next, coupled with the fact that the production for the past six months has been guarded, and there is no stock on hand. A new furnace is to be built at Lebanon; two or three furnaces will be blown in probably about August 1st. There are forty-three furnaces in blast in the Lehigh and Schuylkill valleys. The weekly tonnage is lower now than it has been any time this year. A sale of 10,000 tons of bridge iron is the only important transaction the past week. There are a good many indications of further activity in this direction. Plate iron, especially boiler plate, is in fair demand in small lots. A good feeling prevails in iron trade circles, and, notwithstanding all that has been said as to dullness in railroad circles, there is a fair demand looming up, at least sufficient to keep prices where they are. Manufacturers are seeking business at $30 per ton, and not much is to be had. There is a good deal of railroad building to be undertaken this fall, but the trouble with much of it is that the companies have no money and are offering payment in bonds. Small lots are selling at $31 to $31.50. A good many light rails have been ordered, and range from $34 to $38, according to weight. Old material is in more abundant supply than usual, but the business of the past week shows buyers utterly indifferent. Common material has sold as low as $18 for rails, but $19 is paid for good. Nails are selling at $2.40, with concessions for car-load lots.

Louisville Iron Market.

Specially reported by W. B. BELKNAP & Co., Nails, Wire, Iron, Hardware, Carriage and Wagon Goods.

LOUISVILLE, KY., July 14, 1884.

Bar iron is still as lifeless as it has been now for two or three months. There seems to be no remedial agent at hand powerful enough to restore animation. However, the mills are not offering to cut prices, and stocks are being run too light for comfort in doing business. Such a thing as a sizable contract is unheard of. The agricultural concerns must, however, shortly begin operations and the placing of their regular orders for stated delivery always lends tone to the market. Bar iron is now lower by fully $2 per ton than in '79. We mean for regular merchant orders to be filled according to specifications.

Hoops and bands.—The Hoop Association is very independent, but admit that sales are lighter than ever known.

Sheet.—A little more inquiry may be noted for heavy gauges.

Nails are still weakish. The supply seems too bountiful even yet for the cautious purchasers. One of the largest Wheeling mills advises us that it has closed down till October 1st.

Bolts.—Prices recently established are holding firmly. Carriage bolts are scarcely changed, but machine bolts, lag screws, etc, which fell into a deep rut of discounts, are materially advanced.

Screws are not over-strong. The large orders placed at the extreme ebb are now just about completed, and others to take the places are not coming in. Recent prices are scarcely firm.

Files.—The worst break to be recorded is in files. When the association dissolved, June 30th, it would seem as though the members meant that each should hear from the other later. At any rate 40, 10, 10, 7½%, which was extreme, the discount has tumbled off not far short of 20% for the best makers and the end is not yet.

The Southern Plow Association of the United States was successfully organized in this city July 11th. Barry Coleman, of Thos. Meikle & Co., Louisville, Ky., was elected president, and Jos. Speer, of Pittsburg, Pa., secretary and treasurer. A full schedule of prices and discounts for the coming season was agreed upon.

General trade is late. Collections in the South are slow. The failure of the Mobile bank is especially unfortunate just at this juncture.

Cincinnati Iron Market Report.

Specially reported by ROGERS, BROWN & Co., Pig Iron Commission.

CINCINNATI, July 14, 1884.

Signs of promise for the future are discerned in the iron market, but for the present and actual business there is little to encourage. Sales are exceedingly slow. Rolling mills are stopping or restricting production. The stove foundries are idle almost everywhere. Jobbing foundries are experiencing midsummer dullness. The agricultural works are too busy shipping machinery to consider iron purchases. The leading commission houses and furnace companies who employ salesmen are doing little or no traveling to solicit orders. Yet the rolling mills do not expect to be idle during the year. The stove foundries will start again by and by. Active building and other enterprises will make work for the general foundries. The agricultural works will prepare for large operations the coming year. The railroads will require at least the usual quantity of new equipment to move the heavy crops, and it is hard for the most despondent to see how the consumption of iron can be very long abandoned or fall far below its usual proportions. Against this prospect as to the use of pig is the certainty of a greatly restricted production. Sixty-four furnaces less were making iron July 1, 1884, than July 1, 1883, and the number is daily decreasing. Every indication points to a million of tons reduced production in 1884, while importation has declined to a very low point. So it is generally agreed that the iron business is not destined to extinction, but that better, instead of worse, times are ahead. We quote for cash f. o. b. Cincinnati:

HOT-BLAST FOUNDRY.		
Hanging Rock C. C., No. 1.....	$21 00@23 00	
" " " " 2.....	19 00@21 00	
Southern " " " 1.....	19 50@20 00	
Strong Coke, " 1.....	17 75@18 00	
" " " 2.....	16 50@17 25	
" " " 3.....	16 00@16 75	
Soft Stone Coal, " 1.....	18 50@19 25	
" " " 2.....	17 00@17 75	
FORGE.		
Strong Neutral, No. 1 Mill.....	15 00@15 50	
Cold Short, " 1 "	14 50@15 00	
CAR WHEEL AND MALLEABLE.		
Hanging Rock C. B.....	30 00@31 00	
" W. B.....	20 00@24 00	
Southern Car-Wheel Iron.....	24 50@25 00	
Lake Superior " "	23 00@24 50	
" " Malleable.....	24 50@25 50	

Chattanooga Iron Market.

Specially reported by S. B. LOWE.

CHATTANOOGA, TENN., July 14, 1884.

We have nothing new to report; business continues very dull and bills difficult to collect. Through central Georgia, fields of corn and cotton that have been attended are looking very fine; others are full of grass and backward. Furnaces through the district are all running satisfactorily, excepting as to prices they are getting for their metal, but most of them are calculating upon an advance in the fall. We make no change in prices, but quote as follows:

No. 1 Foundry.....	$17 00	@18 00
No. 2 Foundry.....	16 00	@16 50
Gray Forge.....	14 00	@15 00
Car-Wheel Metal.....	22 00	@24 00
Nails, car-load lots.....	2 25	@— —
Bar Iron.....	1 70	@— —
Old Rails.....	17 00	@— —
Wrought Scrap, No. 1.....	14 00	@— —
" " No. 2.....	11 00	@— —
Cotton Tie Clippings.....	10 00	@— —
Spikes (Railroad).....	2 35	@— —
Light Rails.....	2 00	@— —
Barbed wire—galvanized.....	6	@— —
Barb wire—Cambria link.....	6	@— —

St. Louis Iron Market.

Specially reported by HOFFER & Co., Pig Iron and Iron Ore, No. 318 Olive Street.

ST. LOUIS, July 14, 1884.

Market continues in about the same condition; very little iron moving, excepting on old contracts, and deliveries are delayed to a large extent on those. We continue quotations nominal, viz:

HOT-BLAST CHARCOAL.	
Missouri.....	$19 00@20 00
Southern.....	20 00@22 00
Ohio.....	24 00@26 00
COKE AND COAL.	
Missouri.....	19 00@20 00
Southern.....	18 50@19 50
Ohio.....	21 00@25 00
MILL IRONS.	
Red Short.....	17 00@17 50
Neutral.....	16 00@17 00
CAR-WHEEL AND MALLEABLE IRON.	
Missouri.....	19 00@20 00
Southern.....	25 00@28 00
Ohio.....	28 00@32 00

Iron, par.

HARDWARE.

As usual the mid-summer trade is only moderate in volume, though for the season it is very fair. Manufacturers have been very firm in prices, having apparently reached the conclusion that the bottom has been reached, and hence they have resisted any cutting. It is believed that the fall trade will open rather earlier than usual, but we are inclined to think that not much activity will be displayed in the South until the new cotton begins to move.

Nails are quiet and rather heavy, with prices nominally at $2.35, but sales are being made at $2.30.

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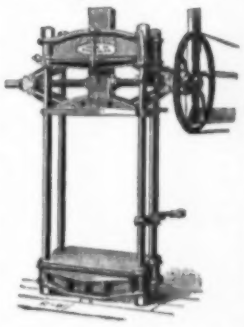

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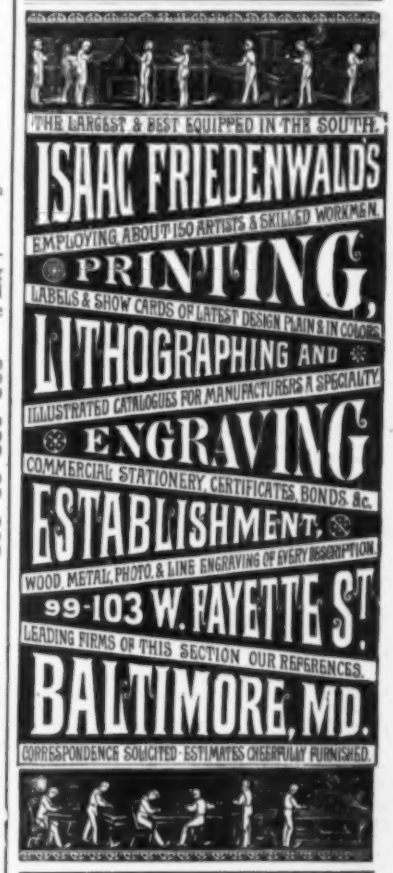

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IRON CEILING.

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97 First Avenue,
PITTSBURGH, PA.

Cincinnati Iron Market Report.

Specially reported by E. L. HARPER & Co.

CINCINNATI, July 14, 1884.

The same condition and elements that existed last week prevail at this writing. The market rules steady and prices are better sustained, because of more numerous inquiries. The demand for sheet, tank and plate iron continues active. The following figures represent the ptices current on reputable brands of pig iro..:

FOUNDRY.	Four Months.
Hanging Rock Charcoal, No. 1.....	$21 00@22 50
" " " " 2.....	20 00@21 50
Strong Neutral Coke, " 1.....	17 75@18 25
" " " " 2.....	17 00@17 50
American Scotch. " 1.....	18 00@18 50
GREY FORGE.	
Neutral Coke.....	16 00@16 50
Cold Short.....	15 50@16 00
CAR WHEEL AND MALLEABLE.	
Hanging Rock, strictly cold blast...	26 00@26 50
" " " warm " ...	22 50@23 50
Lake Superior Charcoal, all grades..	23 00@24 00
South. Car Wheel, strictly cold blast.	26 00@26 50
Amherat Virginia Warm Blast.....	21 25@21 75

BUSINESS CHANCES.

☞For the purpose of making the MANUFACTURERS' RECORD a still more valuable medium of communication between its readers North and South, we will publish, FREE OF CHARGE, short advertisements, not exceeding 40 words, from those in the South who have mills, factories, manufacturing sites or water-power for sale, capital wanted for industrial enterprises, &c., &c.; while readers in other sections who desire to engage in manufactures at the South are also invited to use these columns, without cost, either in seeking information regarding the advantages and special claims of different localities, or for asking about good openings for men and money. This department is also free for Southern manufacturers who wish to advertise for mill managers, superintendents, engineers, &c.

In corresponding with any of these advertisers please mention the Baltimore Manufacturers' Record.

COTTON MACHINERY, now running in first-class order, for sale on easy terms, or might take part payment in stock. A rare chance for a new mill, or others wishing to increase their machinery, to secure a bargain. Particulars furnished by A. B. Pitkin, Manufacturers' Agency, Providence, R. I.

FLOUR MILL FOR SALE.—Steam flouring mill; three run of stones. Machinery in first-class condition. Best run of custom of any mill in this section. Everything favorable to large and profitable business Satisfactory reason for selling. For particulars address Harrison & Sons, Kenton, Tenn.

FOR SALE.—To close an estate, two cotton factories, known as "Beaver Creek and Bluff Mills," in Fayetteville, North Carolina, at public auction, Tuesday, July 8th. Products: yarns and sheetings. Capacity per day 7,000 yards sheetings and 40 bundles yarn. Business prosperous. Address Beaver Creek and Bluff Mills, Fayetteville, N. C.

A ONE SET WOOLEN MILL FOR SALE CHEAP—Located four miles south of Jonesboro, Washington county, Tenn.; runs by water, about thirty-horse power; good two-story house, 40x80 feet, and a full set of machinery; only been run two years. Also another water-power on the same stream, with buildings, &c. As much land with each water-power as parties would want. Will sell for cash or exchange for farming land. Will give some time, on part payment. For further particulars address Henry Miller & Son, Carber's Mill, Tenn.

FOR SALE—A cotton mill situated on the line of the Illinois Central Railroad, near the city of Canton, Miss., in a splendid cotton region, good water supply, cheap fuel, labor abundant. The factory would be equally well adapted to ginning on a large scale, by improved methods, and cotton-seed-oil mill combined. The property consists of 28¼ acres land, lying along the railroad; factory building 100 yards from the railroad, in the centre of the tract, substantially built brick, 200x90 feet; contains one English engine, 200-horse, two English lappers, shafting and pulleys. There is a double dwelling-house on the property. Bigsby & Edmonds, Baltimore, Md.

SOUTHERN COTTON MILL FOR SALE.—One of the best-known and best-paying mills in the South, running 8,161 spindles, will be sold, to enable division of the property among heirs. Includes 100 acres of land, and river falls, water-power of 6,000-horse power, and can be cheaply increased to 18,000 or 20,000-horse power. Sites on the property for other factories. $50,000 to $60,000 worth of new machinery put in in last four years. Mill now in very prosperous condition. A stratum of granite runs through the place, affording an almost inexhaustible supply, as good as any in the country for building purposes. Pure water. Climate healthful and salubrious. Maps, plans, specifications, inventory, and all desired information furnished on application. Address

BIGSBY & EDMONDS,
Publishers MANUFACTURERS' RECORD, Baltimore.

A PRACTICAL cotton manufacturer of New England, with an experience of 25 years as lessee and manager, wishes to negotiate for management of a Southern cotton mill. Will buy some of the stock, if satisfactory. Can furnish letters from some of the best men in the business. Address E. B., care MANUFACTURERS' RECORD.

COTTON MILL FOR SALE.—A North Carolina cotton mill, with or without machinery. Well adapted and located for cotton or woolen manufacturing, hosiery, underclothing, rice milling, &c. A great bargain is offered. Satisfactory reasons for selling. Address Bigsby & Edmonds, Baltimore.

COTTON MILL FOR SALE.—Built in 1879, in the centre of cotton region: 3,000 spindles; machinery nearly new and first class. Whole can be bought at great sacrifice, or mill will be put into stock company. Full particulars upon application to Bigsby & Edmonds, 22 Second street, Baltimore.

WANTED by a steady respectable man (married) a position as chief clerk to a cotton factory. Has had a good experience and could take a responsible position. Address, S., care of MANUFACTURERS' RECORD.

WOOLEN MILL AND WATER POWER FOR SALE.—Well located in West Virginia, buildings and machinery new, latter of most improved makes. One of the finest water powers in the State. Address G. W. M., care MANUFACTURERS' RECORD, Baltimore, Md.

CAPITAL WANTED.—For manufacturing an article on which patent is now pending. A large and profitable business can be done. Address J. C. T., care MANUFACTURERS' RECORD.

GOOD WATER-POWER FOR SALE—With a tract of pine land and farm land, extra good water-power, near James River, Va. Terms easy. Enquire of or address George Martin, Claremont, Va.

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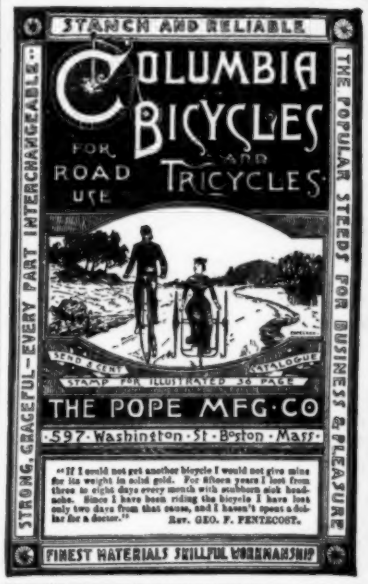

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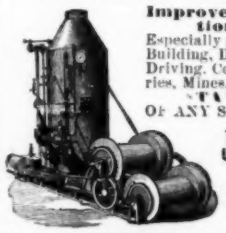

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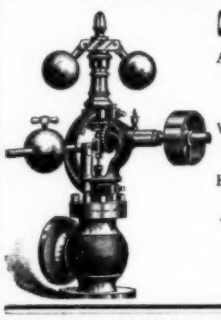

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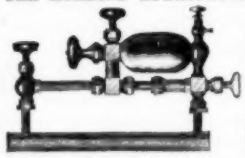

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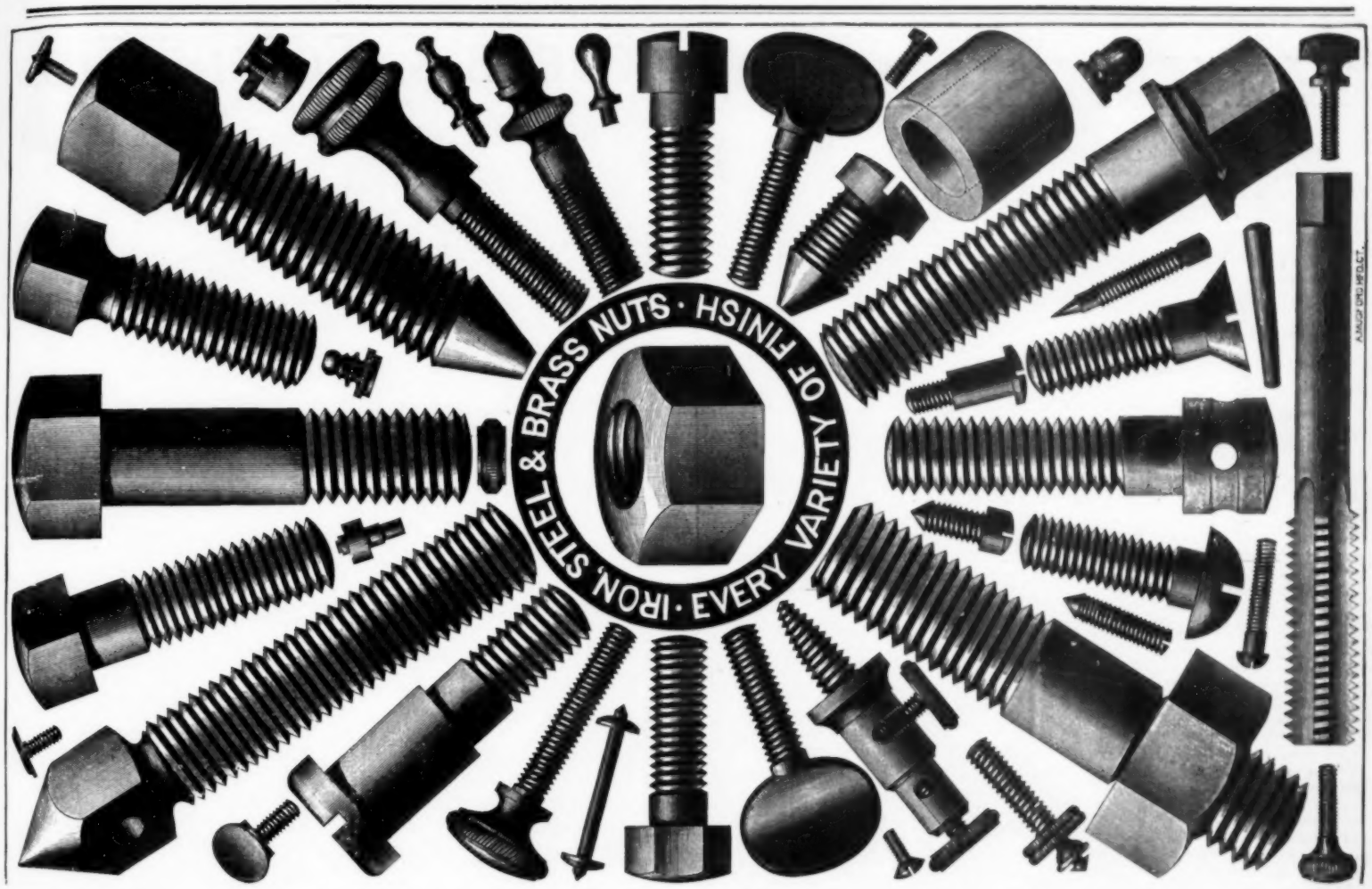

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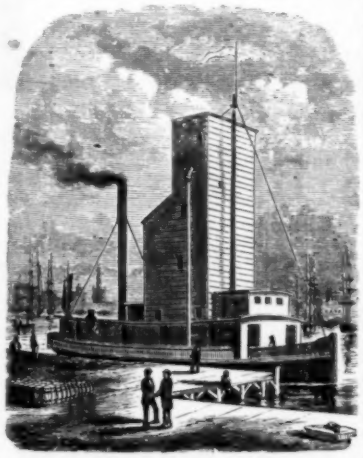

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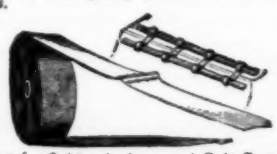

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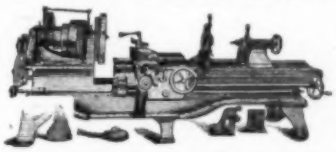

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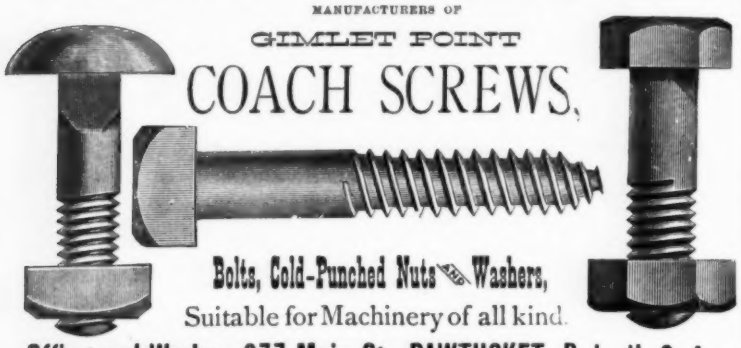

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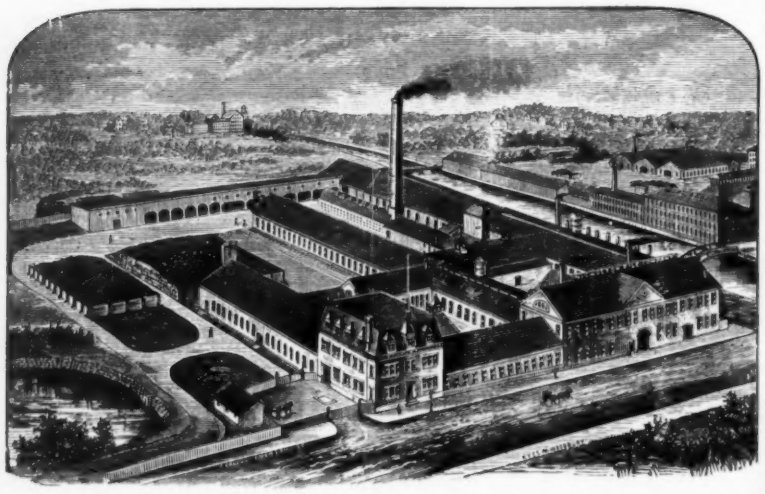

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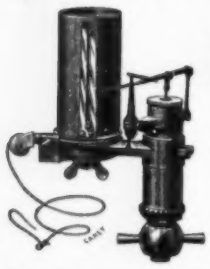

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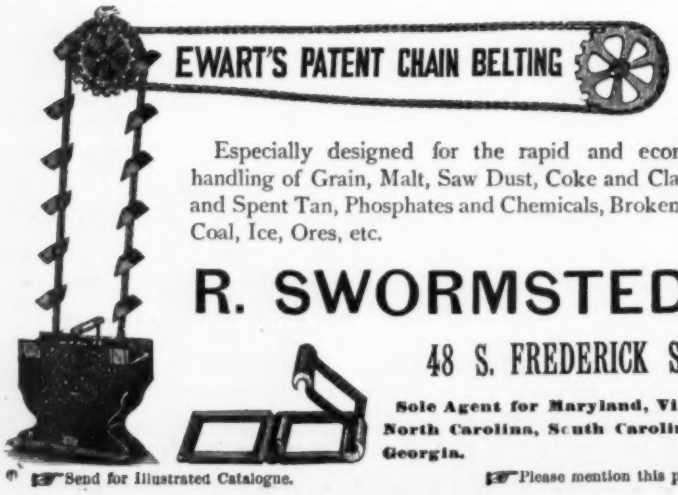

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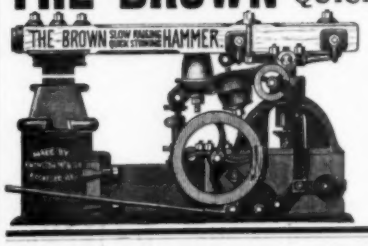

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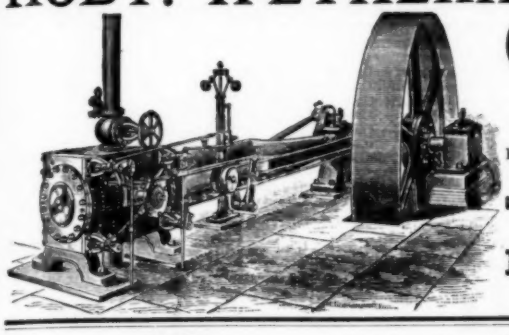

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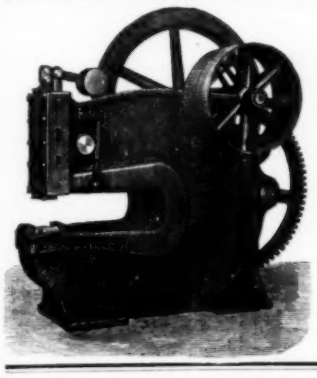

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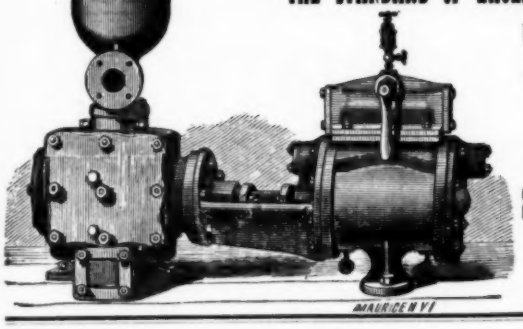

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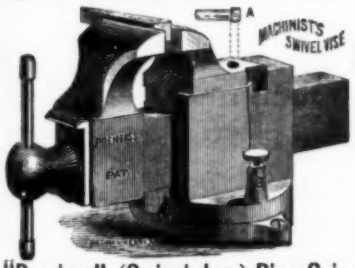

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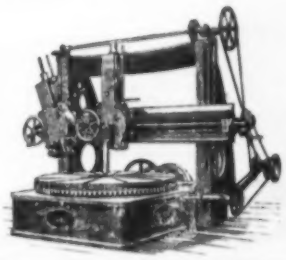

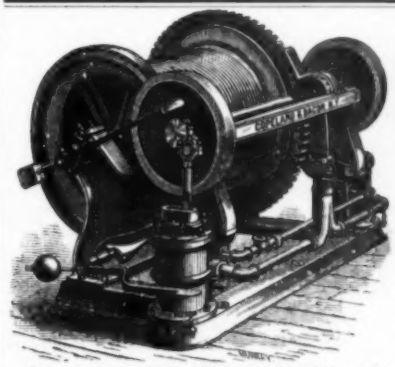

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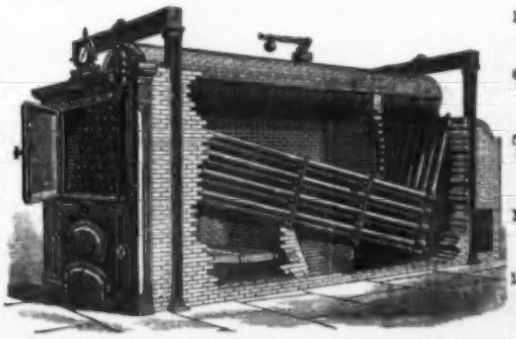

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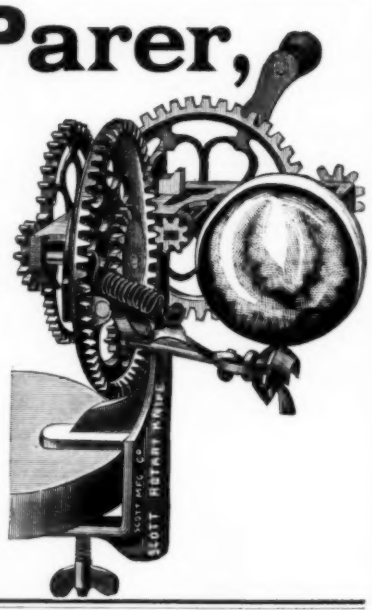
Cowles Hardware Co.—Geers, Butts, Screw Drivers, etc.
H. Chapin's Sons.—Rules, Levels, Gauges, etc.
Clark Bros. & Co.—Bolts.
Essex Horse Nails.
A. Field & Sons.—Tacks, Finishing Nails, etc.
Hubbard, Bakewell & Co.—Lippincott Axes, Saws, Shovels and Hoes.
Holroyd & Co.—Stocks and Dies.
Henry W. Kipp.—Hammers.
Klein, Logan & Co.—Picks, Mattocks, Sledges, etc.
Kimball's Patent Shovels and Spades.
Lockwood Steel Hoes.
Peck Bros. & Co.—Brass Cocks.
Payson Mnfg. Co.—Building Hardware.
Patton Mnfg. Co.—Enameled and Tin'd Hollow Ware.
Roy & Co.—Strap and T Hinges and Wrought Butts.
Saranac Horse Nail Co.
Scott Mnfg. Co.—Peach and Apple Parers, etc.
George M. Scott.—Blacksmith Bellows.
Wilson Mnfg. Co.—Coffee Mills, Vises and Ship Hardware.
Walker's Horse and Mule Shoes.
International and Pimlico Brand of Horse Nails, Foreign and Domestic Hardware, Cutlery, Chains, Pistols, etc.

Scott's ROTARY KNIFE Peach Parer,



THE ONLY PEACH PARER, THE BEST APPLE PARER,

MADE IN TWO SIZES: "FAMILY" and "MAMMOTH."

—ALSO—

"IMPROVED VICTOR" Apple Parer, Corer and Slicer. "ORIOLE" Apple Parer, Corer and Slicer.

GOLD MEDAL APPLE PARER.

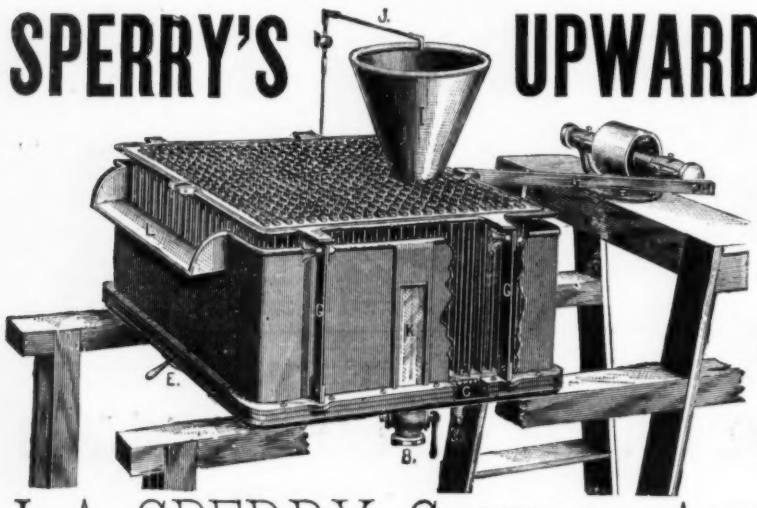
PHILIP'S Fruit and Vegetable Evaporator. "UNIVERSAL" and "NEW IDEA" Can Openers.

"MEDALLION," "VICTORIA" and FOAM Egg Beaters.

IMPROVED * 1884 * HOPPER * CHERRY * SEEDER.

SCOTT MANUFACTURING CO., Baltimore, Md.

SPERRY'S UPWARD * JET * CONCENTRATOR,



The cheapest and best in the world. Adapted to all concentratable ores and slimes of GOLD, SILVER, COPPER, TIN, ZINC, &c., and MILL TAILINGS.

Will Concentrate from 50 to 100 tons in 24 Hours

PRICE $300. NO ROYALTY.

Weight—140 Pounds. Power Required only ¼ of 1 Horse.

Sperry's * Wet * Sizing * Machine

Small and Compact. Entirely New Principle.

Crushing Rolls, Rock Breakers, Stamp Mills and General Mining Machinery and Supplies.

Full-size Concentrating Plant in operation at 12 Cortlandt St. Send for Circular.

J. A. SPERRY, GENERAL AGENT, 12 CORTLANDT ST., N. Y.

REMOVAL.

The vast increase of our business has compelled us to remove the headquarters of our

ADVERTISING AGENCY

To Larger and More Convenient Apartments.

Accordingly, we have leased the **Entire Second Floor** of the

—MARBLE BUILDING—

163 WEST BALTIMORE STREET,

Opposite the Baltimore & Ohio Railroad Building, where we now have

One of the Largest and Best Equipped Agencies in the United States.

The location is central; and in our new quarters we have greatly enlarged facilities for receiving our friends and for the transaction of the manifold details of the Agency.

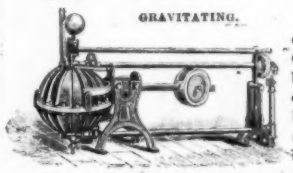
Milbourne & Co.'s Newspaper Advertising Agency,

BALTIMORE, MD.

THE ALBANY STEAM TRAP COMPANY'S

SPECIAL BUCKET

And GRAVITATING Traps.



Automatically drain the water of condensation from HEATING COILS, and returns it to the boiler, whether coils are **above or below** the water level in boiler, doing away with Pumps and other mechanical devices for such purposes.

ALBANY STEAM TRAP COMPANY, Albany, N. Y.

Office and Works, 78 and 80 Church Street.

E. J. CODD & CO.

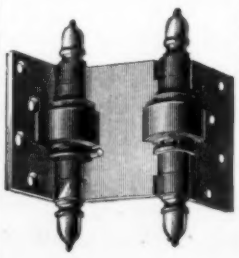
Foundry, Machine and Boiler Works,

255 to 261 S. Caroline St., BALTIMORE.

—BUILDERS OF—

Stationary and Marine Boilers, Stills, Tanks, Agitators, Kettles, &c., Stationary and Marine Engines, Fertilizing Mills, Steam Dredges, &c.

Prompt attention given to Steamship, Mill and other Repairs. Iron and Brass Castings made to order.



Union Spring Hinges are **Simple, Easily Set.**

Cannot be put on wrong. They work either way, right or left. All sizes. Single or double acting. For Wire Screens and Light Doors they are unequal. Send for Price List. M. W. ROBINSON, Sole Agent, 79 Chambers St., New York.

HARDWARE.

Baltimore WHOLESALE Prices.

ANVILS.

Eagle and Vulcan.....₩ lb 10c, dis 20 %
Wright's.....10½c
Armitage's Mouse Hole.....9½ c
Trenton.....10¾c
Wilkinson's.....10½c

AUGERS AND BITS.

Conn. Valley Mfg. Co.....
Douglass Mfg. Co.....
Ives.....
} dis 60 % from list of Jan. 7, 1880.
Cook's Douglass Mfg. Co.....dis 40&10 %
Griswold .....dis 50&10 %
Patent Solid Head.....dis 25 %
Russell Jennings' Auger, Dowel, Machine-Dowel and Hand Rail Bits.....dis 10&10&10 %
Ives' "Jennings'" Bits.....dis 40&10&10 %
Expans. Bits, Clark's, small, $18; large, 26..dis 25 %
Expansive Bits, Ives'.....@30, dis 33⅓ %
Expansive Bits, Blake's.....$20, dis 40 %
Hollow Augers, Ives.....dis 25 %
Hollow Augers, Douglass'.....dis 25 %
Hol. Aug., Bonney's Adjust., ₩ doz $48, dis 25&10 %
Hol. Aug., Stearns' Adjust., ₩ doz $48, dis 20&10 %
Hol. Aug., Ives' Expansive, each $4.50, dis 30&10 %
Hol. Aug., Universal Expansive, each $4.50, dis 20 %
Wood's.....dis 25 %
Gimlet Bits.....$7.50 ₩ gross, dis 50 %
Gimlet Bits, Diamond.....₩ doz $1.25, dis 40 %
Double Cut Gimlet Bits, Shephardson's...dis 40 %
Double Cut Gimlet Bits, Douglass'.....dis 33⅓ %
Double Cut Gimlet Bits, Ives'.....dis 50 %
Morse's Bit Stock Drill.....dis 25 %
L'Hommedieu's Ship Augers.....dis 15 %

AWL HAFTS.

Sewing Brass Ferrule..$3.50 ₩ gross—dis 40&10 %
Patent Sewing, Short....$10 ₩ gross—dis 40&10 %
Patent Sewing, Long.....$1.20 ₩ doz. net
Patent Peg, Plain Top...$10 ₩ gross—dis 40&10 %
Patent Peg, Leather Top.$12 ₩ gross—dis 40&10 %

AWLS, BRAD SETS, &c.

Awls, Sewing, Common.....75c. to $1
Awls, Shouldered Peg.....75c. to $1
Awls, Patent Peg.....50c to $1.50
Awls, Shouldered Brad.₩ gross $2.70—dis 25&10 %
Awls Handled Brad.....$7 ₩ gross—dis 25&10 %
Brad Sets, Aiken's.....₩ doz. $12—dis 45&10 %
Brad Sets, No. 42, $10.50; No. 43, $12.50....dis 70 %
Brad Sets, Stanley's Exc.' No. 1, $9.60.dis 30&10 %
Brad Sets, Stanley's Exc.' No. 2, $4.80.dis 30&10 %
Brad Sets, Stanley's Exc.' No. 3, $7.80.dis 30&10 %

AXES.

Collins & Co.....$7.25; beveled..$7.75
Cohoes Mfg. Co.....$7.25; beveled..$7.75
Lippincott or Mann's.
Single Bit, 4½ to 5⅛ and under...₩ doz. $7.25 net
Single Bit, 4½ to 6 and over.....₩ doz. $7.75 net
Single Bit, beveled.....50c. doz. advance
Double Bit, 4½ to 5⅛ and under..₩ doz $12.00 net
Double Bit, 4½ to 6 and over....₩ doz. $13.00 net
Double Bit, beveled.....$1.00 ₩ doz. advance
Second quality Axes.....50 cts. less than above

AXLES.

Sheldon & Co., iron .....55 % off
" " " steel.....55 % off
AXLE GREASE—Frazer's.....₩ lb. 6c.

BALANCES.

Spring Balances.....dis 25&10 %

BELLS.

Hand, Light Brass.....dis 70 %
Hand, White Metal.....dis 60 %
Hand, Silver Chime.....dis 20&10 %
Hand, Globe (Cone's Patent).....dis 25&10 %
Gong, Abbe's .....dis 20&10 %
Gong, Yankee.....dis 30&10 %
Gong, Barton's.....dis 30&10 %
Leon Reading.....dis 25&10&10 %
Pull, Brook's.....dis 50&10 %
Crank, Taylor's.....dis 25&10 %
Lever, Sargent's.....dis 55&10 %
Bloomfield.....dis 20 %
Lever, R. & E. M. Co.'s.....dis 45&10&2 %
Call .....dis 25 %
Cow, Common Wrought.....dis 55&10 %
Cow, Western, Sargent's List.....dis 55&10 %
Cow, Kentucky, Sargent's List.....dis 55&10 %
Cow, Moore's or Dodges, Genuine Ky., new list:
Nos. 0 1 1½ 2 3 5 5 6 Hog } dis.60&10 %
$12 $10 $9 $8 $7 $4 $3.50 2.50 $5 }
Cow, Texas "Star".....dis 40 %

BELLOWS.

Blacksmiths' Common.....dis 50 %
Molders' .....dis 25 %
Hand Bellows.....dis 25 %

BLIND FASTENERS.

Francis .....dis 20 %
Mackrell's.....₩ doz pairs $1.00, dis 10 %
Van Sand's Screw Pattern.....$9 ₩ gross, net
Van Sand's Old Pattern..1⅛, $8; 1¼, 8.50 ₩ gro, net
Merriman's.....new list, net
Zimmerman's, 10¾ in.....₩ gross $26.00
Zimmerman's, 9 in.....₩ gross 24.00
Zimmerman's, without screws.....$5.00 less

BLIND STAPLES.

Barbed, ½ in. and larger.....₩ lb 11c net
Barbed, ¾ in.....₩ lb 13c net

BLOCKS.

Penfield Block Co., Rope and Iron Strap'd..dis 40 %

BOLTS.

Cast Iron Barrel Shutter, &c.....dis 55&10 %
Cast Iron Chain (Sargent's list).....dis 60&10 %
Wrought Barrel.....dis 55&10 %
Wrought Square.....dis 55&10 %
Wrt. Shutter, all Iron, Stanley's list...dis 50&10 %
Wrt. Shutter, Brass Knob, Stanley's list dis 50&10 %
Wrought Shutter, Sargent's list.....dis 55&10 %
Wrought Sunk Flush, Sargent's...dis 65&10&10 %
Wrought Sunk Flush, Stanley's.....dis 40&10 %
Wrought B. K. Flush, Stanley's.....dis 50&10 %
Carriage and Tire, Common, new list.....dis 75 %
Carriage and Tire, Philadelphia Pattern. dis 50 %
Carriage Bolts, Clarke's.....dis 80 %
Carriage Bolts, Lancaster Bolt Co..
Excelsior, Low List.....dis 60&10&10 %
Norway.....dis 75 %
R. B. & W. Carriage (old list).....dis 65 %
Tire, American Screw Co.'s, Phila.....dis 75 %
Tire, "Bay State".....dis 65%, new list
Eagle Philadelphia Tire Bolt.....80%
Stove.....dis 60%
Plow.....dis 50&10 %
Machine.....dis 70 %
Bolt Ends and Lag Screws.....dis 70 %

BORAX.

15c ₩ lb net.

BRACES.

Q. S. Backus.....dis 50 %
Barber's.....dis 40&5 %
Spofford's Patent.....dis 50&5 %
Ives' Patent Braces.....dis 50 %
Common Ball (American).....dis 55 %
Amidon's.....dis 50 %

BORING MACHINES—WITHOUT AUGERS.

Sweet & Clark upright, 3,60 angular.....4.40 net
Lawrence " 3.00 " .....3.50 net
Hubbard " 3.00 " .....3.50 net
Phillips, with Augers..... 7.00 7.50.....net

BRACKETS.

Shelf, plain.....dis 50&10 %
Shelf, fancy.....dis 55&10 %

BRIGHT WIRE GOODS.

New list ... .dis 70&10 %

BULL RINGS.

Union Nut Co.....dis 55 %
Sargent's.....dis 60&10 %
Humason, Beckley & Co.'s.....dis 60&10 %

BUTTS.

Wrought Brass .....dis 75 %
Cast Brass, Fast Joint.....dis 20&10 %
Cast Brass, Loose Joint.....dis 10&10 %
Fast Joint, Narrow.....dis 45&10&10 %
Fast Joint, Broad.....dis 45&10&10 %
Loose Joint.....dis 60&10&10 %
Loose Joint, Japanned.....dis 60&10&10 %
Loose Joint, Jap, with Acorns ...dis 60&10&10 %
Parliament Butts.....dis 60&10&10 %
Mayer's Hinges.....dis 60&10&10 %
Loose Pin, no Acorn.....dis 60&10&10 %
Loose Pin, Acorns.....dis 60&10&10 %
Loose Pin, Acorns, Japanned.....dis 60&10&10 %
Loose Pin, Acorns, Jap'd, Plated Tips.....dis 60&10&10 %

Wrought Iron.

Fast Joint, Narrow.....dis 60&10 %
Fast Joint, Lt. Narrow.....dis 60&10 %
Fast Joint, Broad.....dis 60&10 %
Loose Joint, Broad.....dis 60&10 %
Table Butts, Back Flaps, &c.....dis 60&10 %
Inside Blind, Regular.....dis 60&10 %
Inside Blind, Light.....dis 60&10 %
Loose Pin, Wrt.....dis 60&10 %
Loose Pin, Light.....dis 60&10 %
Spring Hinges—
Geer's Spring and Blank Butts.....dis 25 %
Clarke Hardware Co.'s.....dis 50&10 %
American Spring Hinge Co.'s.....dis 25 %
Gem Spring Hinges.....dis 25 %
Blind Butts, Shepard's, Nos. 50 and 60....dis 70 %
Blind Butts, Shepard's, No. 650 .....dis. 70&5 %
Blind Butts, Shepard's, No. 75 .....dis 70&10 %
Blind Butts, Lull & Porter.....dis 75 %
Blind Butts, Huffer.....dis 50 %
Blind Butts, Clark's, Nos. 1, 3, 5.....dis 70&10 %
Standard Lull & Porter.....dis 75 %

BOW PINS.

Humason, Beckley & Co.'s .....dis 55&5 %
Sargent & Co.'s.....$19.70 and 21.40, dis 66&10 %
Hotchkiss.....dis 25 %

BUTCHER'S CLEAVERS.

Humason & Beckley Mfg. Co.....dis 25 %
Bradley's.....dis 25 %
Beatty's.....dis 25&5 %

1	2	3	4	5	6	7	8
$16.50	19.00	21.50	24.00	27.00	30.00	33.50	36.50

CAN OPENERS.

American .....₩ gross $7.50, dis 10 %
New Idea.....$15.00 gross
No. 4, French.....₩ doz $2.25, dis 55 %
No. 5, Iron Handle.....₩ gross $7.50, dis 10 %
Sardine Scissors.....₩ doz $7.00, dis 55 %
Sprague, No. 1, $2; No. 2, 2 25; No. 3, 2.50.dis 50&10 %
Universal.....₩ doz $3.00, dis 33⅓ %

CAPS, PERCUSSION, ₩ 1,000.

U. M. C., F C. trimmed.....50c } dis 10&10 %
U. M. C., F. L. ground.....70c }
U. M. C., Cen fire ground .....70c } dis 10&5 %
U. M. C., Double W. Proof.....$1.40 }
G. D. & S. B.....23c, dis 10 %
E. B. 1-10, Eley's.....60c
Musket, in 1-10's.....55c
Hicks Ground Edge in Brass Boxes.....55c

CARTRIDGES.

Rim .....dis 50@10 %
Central Fire, pistol size .....dis 33⅓ %
" " Military.....dis 25 %
B. B. Caps, Round Balls.....2.75
" Swaged Conical.....1 90

NEW LIST ON CARTRIDGES.

Rim-fire.	22, short	$ 5	long	$ 6 00
"	32, "	10	"	15 50
"	38, "	18	"	18 00
"	41, "	15	"	17 50

Central Fire—32, $11.00; 38, $13.50; 41, 15.00; 44, $19.

CARDS.

Horse and Curry, new list, July, 1881 . ...dis 10 %
Cotton, new list, July, 1881.....dis 10 %
Wool, new list, July, 1881.....dis 10 %

CARPET STRETCHERS.

Cast Steel, Polished.....₩ doz $5 00, dis 30 %
Cast Iron, Steel Points.....₩ doz $2 00, dis 50 %
Bullard's.....dis 25 %

CASTERS.

Bed.....dis 47½&10 %
Plate and Shallow Socket.....dis 47½&10 %
Deep Socket.....dis 25&10 %
Martin's Patent (Phœnix).....dis 25 %

CATTLE LEADERS.

Humason, Beckley & Co.'s.....dis 60&10 %
Sargent's.....dis 60&10 %
P. S. & W.....dis 25&10 %

CHAIN.

German Halter and coil Chain.....dis 50&10 %
Trace, Breast and Fancy.....dis 45&5 %
Oneida Halter Chain (old list).....dis 45&5 %
Galvanized Pump Chain.....₩ lb 8c net
Jack Chain, Iron.....dis 60&10 %
Jack Chain, Brass.....dis 50&10 %

CHALK.

White.....₩ gross 60c net
Red.....₩ gross 85c net
Blue.....₩ gross $1.00 net
White Crayons.....₩ gross 9c net

COTTON LINES.

Cotton Fish Lines.....dis 33⅓ %
Cotton Chalk Lines, 20 feet:

Nos. 11.	13.	15,	17,	20,	"
$3.20,	3.60,	4.00,	4.50,	5.25.	"

CHISELS.

Socket Framing, Crossman.....dis 65&5 %
Socket Framing, P. S. & W.....dis 70&10 %
Socket Framing, Douglass'.....dis 70&10 %
Socket Firmers, Crossman.....dis 65&5 %
Socket Firmers, Ohio Tool Co.....dis 60&10 %
Socket Firmers, Douglass'.....dis 70&10 %
Socket Corner.....dis 70&10 %
Tanged Firmers.....dis 40&45 %
Tanged Firmers, Butcher's.....$5.00@$5.25 to £
I. Merrill's Socket and Framing Chisel....65&10 %

CLAMPS.

Iron, Screw, Eagle.....dis 50 %
Iron, Adjustable, Stearns'.....dis 20&10 %
Iron, Cabinet, Sargent's.....dis 65&10 %
Iron, Carriage makers', Carr & Crawley..dis 25 %

CLIPS, AXLE.

Norway or Best.....dis 60&5 %
Superior.....dis 45&5 %
Conestogo.....dis. 60&10
Coal Hods—Griffiths'.....dis 40 %

COCKS, BRASS.

Racking, new list, July 10, 1880.....dis 50&10 %
Globe, new list, July 10, 1880.....dis 50&10 %
Plain Bibbs, new list, July 10, 1880....dis 50&10 %
Ale and Beer, new list, July 10, 1880...dis 50&10 %

COFFEE MILLS.

Parkers'.....dis 45 %
Wilson's.....dis 50 %
Logan & Strobridge .....dis 45 %
Enterprise Mfg. Co.....dis 25 %

COMPASSES, DIVIDERS, &c.

Compasses.....dis 55 %
Calipers.....dis 55 %
Dividers.....dis 55 %
Cook's Pencil.....dis 10 %

COOPERS' TOOLS.

Bradley's.....dis 15@20 %
Barton's.....dis 20 %

CROW BARS.

Cast Steel.....₩ lb 6 c
Iron, Steel Points.....₩ lb 4 c

CURLING IRONS, &c.

⅛, ⅜, ¾ in., $1.80, 2.00, 2.40.....dis 10 %
Curling Tongs.....₩ doz $3.65, dis 10 %
Pinching Irons.....₩ doz $7 50, dis 20 %

CURRY COMBS.

Fitch's new list.....dis 50 %
Hotchkiss, Novelty, new list, July, 1880..dis 25 %
Hotchkiss, Exclr. Supr. Champion.....dis 25 %
Lawrence "Perfect".....dis 25&10 %
Rubber.....₩ doz $10.00, dis 25 %
Sweet & Clarke.....dis 50 %
Lusters.....25 %

CURTAIN PINS.

Silvered Glass.....net
White Enamel.....net

CUTLERY.

Association (Table).....net
Naugatuck Cutlery Co.....list net
Excelsior Knife Co.....net
Wilson's Butcher and Shoe Knives. .....dis 30 %
Ames' Shoe Knives.....dis 15 %
Wm. Rogers Manf. Co., Plated Cutlery.....Net

DOG COLLARS.

Embossed Gilt.....dis 20 %
Leather.....dis 25 %
Brass.....dis 25 %

DOOR SPRINGS.

Torrey's Rod, regular size, ₩ doz., $3..dis 40&10 %
Gem (Coil):
No. 1, Large Japanned.....₩ doz $4.00 }
No. 2, Medium Japanned..₩ doz 2.75 } dis 40 %
No. 3, Small, Japanned....₩ doz 2.00 }
No. 4, "Shoo Fly", Screen door size, 1.50 }
No. 5, Screen door size.....2.00 } dis 50 %
No. 6, Medium.....2.75 }
No. 7, Large.....4.00 }
Standard—10 doz $1.25; 9 doz $1 75 ...dis 50&10 %
8 doz 2.50; 6 doz $3.50....dis 5 & 0 %
Hercules.....dis 5 &10 %

DRAWING KNIVES.

Ohio Tool Co. .....dis 60&10 %
Crossman's No. 1.....dis 65&5 %
Nobles Mfg. Co.....dis 15 %
Bradley's .....dis 35 %
Adjustable Handle.....dis 20 %
P. S. & W.....dis 70&10 %
Douglass.....dis 70&10 %

DRILLS AND DRILL STOCKS.

Blacksmiths'.....each, $2.50, dis 10 %
Blacksmiths' Self-Feeding....each, $7 50, dis 30 %
Breast, P. S. & W.....dis 20&10 %
Breast, Wilson's.....dis 20 %
Breast, Millers Falls.....each, $3.00, dis 25 %
Breast, Bartholomew's....each, $2.50, dis 25&10 %
Wilson's Drill Stocks.....dis 10 %
Automatic Boring Tools.....each, $2.25, dis 20 %

EGG BEATERS.

Dover.....₩ doz. $2.50, dis 2 %
Medallion.....gross, $10.00
Victoria.....gross, $10.00

EMERY AND EMERY PAPER.

Regular numbers .....₩ lb 6c
Flour and F. F.....₩ lb 4c
B. & A. Emery Paper.....dis 30&5 %

ENAMELED AND TINNED WARE.

Kettles.....dis 60 %
Sauce Pans.....dis 40 %
Tinned Sauce Pans.....dis 40 %
Escutcheon Pins—Brass.....dis 50 %

E CUTCHEONS.

Door Lock.....Same discounts as Door Locks
Brass Thread.....dis 25 %
Wood.....dis 25 %

FAUCETS.

Fenn's.....dis 40 %
Fenn's Cork Stops.....dis 33⅓ %
Star .....dis 55&10 %
Frary's Patent Petroleum.....dis 20&10 %
West's Patent Key.....dis 45 %
Anchor Lock.....dis 45 %
Metallic Key, Leather Lined.....dis 60 %
Cork Lined.....dis 70 %
J Sommer's Best Metallic Key.....dis 40 %
J. Sommer's Cork Lined, 1st quality.....dis 50 %

FILES.

E. M. Boynton's.....new list, dis 25 %
Western File Co.....dis 45 %
Butcher's.....$4.50 to £
Moss & Gamble.....$4.50 to £
H. Disston & Sons (new list).....dis 40 %
Heller Bros.' Horse Rasps.....dis 30&10 %
Nicholson.....dis 50&10 %
New American.....dis 40 %
Union File Co.....dis 45 %
Stubs, new list.....$7.50 to £, 25 % off

FLUTING MACHINES.

Knox, 4½-inch Rolls.....$3.50 each }
Knox, 6-inch Rolls.....$4.00 each } ....dis 35 %
Knox, 8-inch.....$6.50
Eagle, 3½-inch Roll.....$2.15, dis 35 %
Eagle, 5½-inch Roll.....2.85, dis 35 %
Crown, 4½-in., $3 50; 6, $4.00; 8, $6.50 each...dis35 %
Crown Jewel.....6-in., $3.40 each.....dis 35 %
American, 5-in., $3; 6-in., $3.40; 7-in., $4.50 each.....dis 35 %
Domestic Fluter.....$1.50 each, net
Geneva Hand Fluter, White Metal, ₩ doz $12.....dis 25 %
Crown Hand Fluter, Nos. 1, $15; 2, $12.50; 3, $10.50; 4, $8.25 ₩ doz.....dis 35 %
Combined Fluter and Sad Iron.₩ doz $15.00.dis 30 %

FORKS.

Lawson & Brenizer.....dis 50&10 %
Remington.....dis 50&10 %
Sheble & Fisher.....dis 50&10 %

FRY PANS.

Burnished list as follows.....dis 60&10&10 %

No	0	1	2	3	4	5	6	7	8
₩ doz..	$3.00	3.75	4.25	4.70	5.25	6.00	7.00	8.00	9.00

GAUGES.

Marking, Stanley's.....dis 50&10 %
Marking, Chapin's.....dis 55&10 %
Wire.....dis 10&10 %
Wire, Disston's.....dis 20 %
Wire, Wheeler, Madden & Co.....dis 10 %

GIMLETS.

Nail and Spike.....dis 40 %
"Eureka" Gimlets.....dis 50 %
"Diamond" Gimlets.....dis 50 %
Double Cut. Shepardson's.....dis 50 %
Double Cut, Hartwell's.....dis 50 %
Double Cut, Ives'.....dis 50 %
Double Cut, Douglass'.....dis 33⅓ %
"Reel".....₩ gro. $12.00, dis 25 %

GLUE POTS.

Tinned and Enameled.....dis 35 %
Family, Howe's "Eureka".....dis 25 %
Family, L. F. & C.'s "Handy".....dis 30 %

GRINDSTONE FIXTURES.

Sargents Patent.....dis 70&10 %
Reading Hardware Co.....dis 25&10 %

GUN WADS.

Eley's B. E. wads, 11 upwards $1.75
" " " 9 and 10..... 2.00
" " " 7 " 8..... 2.25
" P. E. " 11 upwards..... 2.90
" " " 9 and 10..... 3.65
" " " 7 " 8..... 4.45

HAMMERS.

Maydole's.....dis 15 %
Magnetic Tack, Nos. 1, 2, 3, $1.20, 1.60 and 1.75.....dis 25&10 %
Warner & Noble's.....dis 5 %
Kip's or Selsor's.....dis 30 %
Yerkes & Plumb.....dis 15 %

HANDLES.—Door or Thumb Latches.

Nos.....	0	1	2	3	4	
Per doz..	$0.80	1.00	1.18	1.35	1.150	dis 55&10 %

Roggin's Latches.....₩ doz 35c. @ 40c. net
Bronze Iron Drop Latches.....₩ doz $0.90@1 10
Jap'd Store Door Handles—Nuts, $1.25; Plate, $2.00, no Plate, $1.10.....dis 10 %
Barn Door .....₩ doz $1.60, dis 10 %
Wrought Chest.....dis 65&10 %
Surface Chest.....dis 55& 0 %
Flush Chest.....dis 55&10 %
Lifting .....dis 50&10 %
Saw and Plane.....dis 40&10 %
Lippincott Cross-Cut Saw.....20c per pair
Hammer and Hatchet.....dis 20 %
Brad Awl.....₩ gross, $3.00, dis 20&10 %
Chisel, all kinds.....50&10 %
Auger, assorted, ₩ gross.....$4.50
Auger, large, ₩ gross.....5.00
Patent Auger, Ives'.....dis 25 %
Patent Auger, Douglass'.....₩ set $1.25 net
Patent Auger, Swan's.....₩ set 1.00 net

HAMMOCK CHAIRS.

White Mountain, per doz.....$36.00
" " Finished in red, per doz..$42.00

HANGERS.

Barn Door, old patterns.....dis 60&10 %
Barn Door, New England.....dis 60&10 %
Climax (Anti-Friction).....dis 50 %
Warner's.....dis 20 %
Richard's.....dis 20 %

HATCHETS.

Shingling, Nos. 1 2 3.....₩ doz $7.25 $8.00 $8.75
Claw, Nos. 1 2 3.....₩ doz 7.75 8.50 9.25
Lathing, Nos. 1 2 3.....₩ doz 7.50 8.00 8.50
Hammond's, new list.....dis 45 %
Blood's.....dis 35 %
Hunt's.....dis 50 %
Russel's, low list.....dis 40 %
Cohoes Bench Broad Adzes.....40 %

HAY KNIVES.

"Lightning".....₩ doz. $30.00 net 5 %
Wadsworth's.....dis 30 %

HINGES.

Plate Hinges } 8,10&12 in..... 5½c. ₩ lb.
"Providence" } over 12 in..... 4½c. ₩ lb.
Screw Hook } 8, 10, 12 in..... 4 c. ₩ lb.
and Strap. } 14 to 36 in..... 3 c. ₩ lb.
Crown spring hinges, for screen doors, dis. 60 %; for solid doors, single action, dis. 45 %; for solid doors, double action, dis. 55 %.
Crown Screen Door Latch....₩ gross $12, dis 35 %
Crown Christmas-Tree Holders, 2-inch, ₩ doz. $9; 3-inch, $12.....dis 45 %
Bickford Portable Pump .....each $6, dis 2 %
American Cake Mixer, No. 6...each $2.50, dis 20 %
American Tobacco Cutter.....₩ doz. $15, dis 30 %
A. M. Co. Clothes Wringer, No. 2 rolls, 10x1¾, ₩ doz., $37.50; No. 2¼ rolls, 12x1¾, $48.....dis 20 %
Heavy Welded Hook } 8@12 in. $7.50 ₩ 100 lb. } dis
14 in. & up, $6 ₩ 100 lb. } 20 %
Screw Hook and Eye... { ⅜ & 1 in.....9c. } dis
⅜ in.....9c. } 20 %
⅜ in.....10c. }
½ in.....12c. }
Wrought Strap & T Hinges, Dec.20,'77,dis 60&10&10 %

HOES.

Planters .....60&5 %
Riveted Shank.....₩ doz. $5.00, dis 50&10 %
Socket.....₩ doz. $5.25, dis 50&10 %
Grub.....dis 50 %
Hick's Pat. Solid C. S. Planters'.....dis 60&10 %
Hick's Pat. Solid C. S. Lecovill Pattern..dis 60&5 %
Hubbard, Bakewell & Co.....dis 50&10 %

HORSE NAILS.

Ausable: Nos. 5 6 7 8 9 10
Plain, ₩ lb....30c 27c 25c 24c 23c 22c dis 20&10 %
Finish'd ₩ lb .31c 28c 26c 25c 24c 23c.dis 20 &10 %
Clint'n, P'n, " .. . 33c 21c 20c 19c 18c dis 20&10 %
Clint'n, Fin'd " ... 24c 22c 21c 20c 19c dis 20&10 %
Essex, ₩ lb.....31c 28c 26c 25c 24c 23c.....dis 50 %
Putnam " .....27c 24c 22c 21c 20c 19c..dis 5&10 %
Saranac " ... .28c 23c 21c 20c 19c 18c.....dis 20 %
Globe, " .....29c 23c 21c 20c 19c 18c .dis 10&5 %
N'thw'n " .....28c 25c 23c 22c 21c 20c.dis 10&10 %
Ch'mpl'in
Forged ₩ lb.. 30c 27c 25c 24c 23c 22c.dis 25&10 %
A. C., ₩ lb....28 25 23 22 21 21 .dis 10, 10& 5 %
C. B. } ..... 28c 25c 23c 22c 21c 21c.dis 10& 5 %
K. }
Bridgewater....24c 21c 19c 18c 17c 16c.dis 25& 5
New Haven... .33c 30c 28c 27c 26c 27c.dis 30&10
Capewell.. .....31c 26c 25c 25c 24c 23c.dis 20&10

HORSE SHOES.

Burden.....₩ keg
R. I. Horse Shoe Co, Perkins' Improved, Light, Medium and Heavy.₩ keg $3.87½
Mule Shoes.....₩ keg $4.87½
Walker's—Forged: (Light, Medium and Heavy.)
Horse.....₩ keg $3.87½
Mule.....₩ keg $4.87½
Keystone Solid Calk Steel Horse.....$5.87½ 5 %
" " " " Mule.....$4.87½ 5 %

HORSE POKES.

Excelsior.....$8 ₩ doz.
Akron.....$3 ₩ doz.
Ox SHOES—Mt. Carmel Ox Shoes.....10 cts. ₩ lb.

ICE CREAM FREEZERS.

Peerless—3 quart, $4.50; 4 quart, $5.50; 6 quart, $7; 8 quart, $9; 10 quart, $12. The Gooch Patent "Giant"—14 quart, $20; 18 quart, $25; 21 quart, $30; 25 quart, $35; 32 quart, $40; 42 quart, $45. Discount 50%.
American—2 quart, $2.75; 3 quart, $3.25; 4 quart, $3.75; 6 quart, $5 each.....dis 45 %
Crown, single action, 2 quart, $3.75; 3 quart, $4.50; 4 quart, $5.50; 6 quart, $7; 8 quart, $9; 10 quart, $11; 14 quart, $14; dis 45 %
Crown, double action, with crank, 8 quart, $10.50; 10 quart, $13; 14 quart, $16.50; 18 quart, $21; 24 quart $25. With fly wheel, 8 quart, $13; 10 quart, $16; 14 quart, $20; 18 quart, $25; 24 quart, $30; 32 quart, $37 50.....dis 45 %
Star, double action, 2 quart, $3.75; 3 quart, $4.50; 4 quart, $5.50; 6 quart $7; 8 quart, $9; 10 quart, $11; 14 quart, $14.....dis 45 %
Gem, double action, 2 quart, $3.75; 3 quart $4.50; 4 quart, $5.50; 6 quart, $7; 8 quart, $9; 10 quart, $11; 14 quart, $14..dis 55 %
Crown Ice Chipper.....₩ doz. $7.50, dis 35 %

KNOBS.

Carriage (Jap'd 80c ₩ gross).....dis 60&10
Base—Common.....dis 30&10 %
Hemacite Door Knobs.....new list, dis 35&5 %
Door Mineral... }
Door Por. Jap'd.. } Same discounts as Door Locks
Door Por. Plated }
Door Por..... }
Furniture Plain.....75c gross inch, dis 10 %
Furniture, Wood Screws.....dis 20 %
Picture.....dis 50&10
Hemacite, Picture.....dis 35 %
Shutter, Porcelain.....dis 50&10

LADLES.

Melting & Skim'ng, Monroe's Pat.₩ doz $4 dis 40
Melting, C & C.....dis 30&10

LAWN MOWERS.

Buckeye, Easy and Excelsior, new list...dis 30
LINES—Linen Fish.....dis 25&10
Wire Clothes, Galvanized, 100 feet....₩ doz. $3.00

LOCKS AND LATCHES.

Cabinet, Eagle...... } Changes made in list price
Cabinet, Gaylord.... } of some numbers Jan. 1,
Cabinet, Bridgeport. } 1881, dis 25&2 %
Cabinet, P. & F. Corbin....................dis 40 %
Trunk, new list, Jan 1, 1881..............dis 15&2 %
Yale Lock Co., Flat Key....................dis 40 %
Plate..................................dis 33⅓&2 %

DOOR LOCKS, ETC.

Branford................ }
Norwalk................. }
Norwich................. } List prices as revised
P. & F. Corbin.......... } Dec. 6th, 60&2 %
Russell & Erwin......... } for cash.
Mallory, Wheeler & Co... }
Padlocks—Russell & Erwin..... }
Mallory, Wheeler & Co .... } dis 45 %
Norwich Lock Manf. Co........ } and 2% for cash
Wm. Wilcox & Co............. }
Wm. Wilcox & Co.'s Plate Locks.........dis 33⅓
Yale Lock Manf. Co.'s "Standard"........ dis 40 %
Romer's...............................dis 25@40 %
Conestoga.................................dis 75 %
Scandinavian, "Norwich"..............dis 50&10 %

MALLETS.

Penfield Block Co., Apple, Hickory and Lignumvitæ..............................dis 30 %

MEAT CUTTERS.

Dixon's (P. S. & W.) Nos. 1 2 3 4.
⅌ doz $14 $17 $19 $30-dis 35 %
Perry's, Nos. 1 2 3 4 4 gr'd 5 gr'd
Each. ....$3 4 5 11 13 36 dis
Woodruff's (P. S. & W.).....Nos. 100 150
⅌ doz. $15 18-dis 35 %
Hales'............Nos. 11 12 13
⅌ doz..$27 35 45-dis 50&10&2 %
Kieser's No. 55..................$40 ⅌ doz. dis 40 %
Kieser's Gem.................. $25 ⅌ doz. dis 40 %
Kieser's No. 82..................$40 ⅌ doz. dis 40 %
Kieser's Monarch.................$45 ⅌ doz. dis 40 %
Beef Shaver, (Enterprise Manf. Co)........dis 25 %

MOLASSES GATES.

Stebbins Patterns.......................dis 70&10 %
Stebbins Genuine......................dis 67½&10 %
Stebbins Tinned Ends....................dis 40&10 %
Chase's Hard Metal......................dis 50&10 %
Self-Measuring, (Enterprise)................dis 20 %
Lincoln's Pattern.......................dis 60&10 %
Weed's......................................dis 15 %
Boss Nos. 1 2 3 4
$7 8 9 10..⅌ doz
Boss, Japanned Finish.............dis 60&10&10 %
Boss, Bronze Finish...............dis 50&10&10 %

NUTS AND WASHERS.

Square Nuts..............................8 c off list
Hexagon Nuts............................8½c off list
Washers.................................7½c off list

OILERS.

Zinc and Tin.........................dis 60&10 %
Brass and Copper..........................dis 50 %
Malleable (Hammer's).......... ⅌ doz $5, dis 10 %
PINKING IRONS........................⅌ doz 75c, net

PLAITING MACHINES.

Astor Plaiting Machine......... each $15, dis 20 %
Crown Plaiting Machines...................dis 25 %
6 in., $6 ; 10 in. $8 each.

PLANES AND PLANE IRONS.

Bench, First Quality........................dis 20 %
Bench, Second Quality.......................dis 25 %
Molding.....................................dis 15 %
Bailey's (Stanley R. & L. Co.) new list, Jan. 1879..................................dis 20&10 %
The Stanley (S. R. & L. Co.) new list, January 1879..........................dis 20&10 %
Bailey's................................dis 20&10 %
Plane Irons, Butcher's....................$5.50 to £
Plane Irons, Auburn Tool Co.................dis 20 %
Plane Iron, Ohio Tool Co....................dis 20 %
Plane Irons, Sandusky Tool Co...............dis 20 %

PLIERS AND NIPPERS.

Button's Patent...........................dis 33⅓ %
Hall's Pat. Compound Lever Cutting Nippers, No. 2, 5 in. $13.50; No. 4, 7 in., $21 ⅌ doz.dis 25 %
Gas Pliers..................................dis 50 %

PLUMBS AND LEVELS.

Disston's...................................dis 40 %
Stanley R. & L. Co.'s Pat. Adjustable..dis 65&10 %
Stanley R. & L. Co.'s Non-Adjustabl...dis 65&10 %
Chapin's Patent Adjustable..............dis 65&10 %
Chapin's Non-Adjustable.................dis 65&10 %
Standard Rule Co.'s New Adjustable..dis 65&10 %
Standard Rule Co.'s Non-Adjustable...dis 65&10 %
Pocket Levels...........................dis 65&10 %

RAIL.

Sliding Door, Wrought Brass...⅌ ℔. 43c. dis 30 %
Sliding Door, Bronzed Wrt. Iron ⅌ ft. 12c. dis 35 %
Sliding Door, Iron, Painted..⅌ ft. 4c. dis 10&10 %
Barn Door....inch..........⅜ ⅝ ⅞
Per 100 feet..$2.60 3.60 5.60-dis 10 %
B. D. for N. E. Hangers—
Small Med. Large.
Per 100 feet..............$2.10 2.70 .30—net

RIVETS.

Iron and Tinned, new list, Dec. 10, 1881...dis 40 %
In bulk, new list, Dec. 10, 1881...........dis 40 %
Copper Rivets and Burrs...................dis 45 %
Nos.. 7 8 9 10 11 12 13 14 15
⅌ ℔..40c. 50c. 52c. 54c. 56c. 58c. 60c. 65c. 70c.
RIVET SETS..................................dis 40 %

RODS.

Stair, Brass................................dis 25 %
Stair, Black Walnut ....60c. ⅌ doz.—nett

RULES.

Boxwood. Ivory.
Chapin's.............. }
Standard.............. } dis 70&10 % } dis 40&10 %
Stanley............... }
Stevens & Co..........70 & 10%. Ivory.........50%
Stevens & Co. Miscellaneous.............50 & 10%

SAD IRONS.

Self-Heating, Charcoal...........⅌ doz. $9.00 net
Mrs. Pott's Irons.......................... dis 35 %
Enterprise Star Irons, new list, July 20, '82.dis 35 %
Comb'd Fluter and Sad Iron. ⅌ doz. $15.00, dis 15 %
Common Sad Irons......................2½c. ⅌ ℔.

SAND PAPER.

Baeder & Adamson's Flint, 00@1½ $4.50 ⅌ r'm. }
Baeder & Adamson's Flint, 2, 2½ &3, 5.00 ⅌ r'm. }
Beader & Adamson's Flint, Assort'd 4.75 ⅌ r'm. } dis 35 %
Beader & Adamson's Star........... 3.75 ⅌ r'm. }
Beader & Adamson's Emery ⅌ r'm $6.50@11.50 }
J. Bartle's Sand, Flint and Emery Paper...30&5 %

SASH CORD.

Common............................⅌ ℔. 14c. net
Patent.........................⅌ ℔. 17c.@18c. net
Silver Braided Lake Hemp.......⅌ ℔. 50c. dis 10 %
Silver Braid. Lake White Cotton. ⅌ ℔. 50c. dis 10 %
Silver Braided Lake Drab Cotton. ⅌ ℔. 55c. dis 10 %
Silver Lake Cable Laid, Bengall unbleached
Hemp, 17 cts...........................dis 10 %
Russian Hemp, 19 cts...................dis 10 %
Italian Hemp, 34 cts ....dis 10 %

SASH WEIGHTS.

Solid Eyes, in 500-℔. lots and over. ⅌ ℔. 1½c. net

SAUSAGE STUFFERS OR FILLERS.

Miles......................⅌ doz. $20, dis 25&5 %
Perry........⅌ doz., No. 15; No. 0, $21,... dis 35 %
Enterprise Mfg Co...........................dis 25 %
Monarch.....................................dis 40 %

SAWS.

Boynton's Lightning Cross Cuts, new list.dis 40 %
Boynton's Circular and Mill.................dis 40 %
Boynton's Ice...............................dis 25 %
Boynton's Lightning Hand, Panel and Rip.dis 25 %
Disston's Circular..........................dis 40 %
Disston's Mill..............................dis 40 %
Disston's Cross Cut.........................dis 40 %
Disston's Hand, Panel, Rip, &c..............dis 20 %
Hubbard, Bakewell & Co. Cir. Saws....dis 40&5 %
Hubbard, Bakewell & Co Cross Cut........30c. ft.
Hubbard, Bakewell & Co., One-Man's, X Cut, dis 40&5 %
Hubbard, Bakewell & Co., Mill Saws..dis 40&5 %
Peace Circular and Mill.....................dis 40 %
Peace Hand, Panel and Rip...................dis 25 %
Peace Cross Cuts............................dis 35 %
Peace Band Saws, all widths ....dis 10 %
Webster Cross Cut, with Handles.dis 25&10&10 %
Griffin's Hack Saws and Blades ....30 %

SAW FRAMES.

White.........................⅌ doz $1.05, dis 10 %
Saw Rods........................$10 list, dis 10&10 %

SAW SETS.

Stillman's Genuine, ⅌ doz. $3.50 and $5.50, dis 10 %
Stillman's Imitation.....⅌ doz. $3.25, dis 30&10 %
Common Lever...........⅌ doz. $2.00, dis 30&10 %
Leach's...........No. 0, $8.00; No. 1 $15; dis 15 %
Hammer, Hotchkiss.................$5.50, dis 10 %
Aiken's Genuine.................$13.00, dis 50&10 %
Aiken's Imitation.....................$7.00, dis 50 %
Disston's...................................dis 20 %
Morrill's.........No. 1, $15; No. 5, $52, dis 35&10 %

SCALES.

Hatch, Counter, No. 171..⅌ doz. $42, dis 37½&10 %
Hatch, Tea, No. 161....⅌ doz. $15.00, dis 37½&10 %
Union Platform, Keystone. ....$6. dis 45 %
Chicago Scale Co.......................Special dis
Fairbanks'..................................dis 20 %
Forsyth Scale Co............................dis 45 %
Howe's..................................dis 20&10 %
Chatillon's Grocers'........................dis 40 %
Chatillon's Eureka..........................dis 25 %
Family Universal ....dis 50 %
Family Favorite.............................dis 30 %
Family Turnbull's...........................dis 30 %
Scale Beams, List of Jan. 12, 1882..........dis 50 %

SCRAPERS.

Adjust. Box Scraper (S.R.&L.Co.) $6.50, dis 20&10 %
Box, 1 Handle..................⅌ doz. $4, dis 10 %
Box, 2 Handle..................⅌ doz. $6, dis 10 %
Foot....................................dis 45&10 %
Ship, common.........................⅌ doz. $3, net
Wilson Mfg Co ....dis 10 %

SCREW DRIVERS.

Douglas Mfg Co..........................dis 20&10 %
Disston's...................................dis 40 %
Cowles Mfg Co.......................dis 50&10&10 %
Stanley Rule & Level Co.'s Var. Hdls.dis 50&10 %
Stanley Rule & Level Co.'s Bl'k Hdls.dis 40&10 %
Ratchet...................................dis 33⅓ %
Clark's Patent..............................dis 25 %
Shepardson.......................................25 %

SCREWS.

Flat H'd Iron, list Dec. 27, '82................dis 70 %
Round Head Iron.............................dis 50 %
Flat Head Brass.............................dis 60 %
Round Head Brass............................dis 15 %
Flat Head Blued add 2½ % to net of invoice.
Brass and Silver Capped.....................dis 40 %
Japanned, list of Plain Screws..............dis 20 %
Coach, Patent Gimlet Point....................60&10 %
Coach, Common or Lag.......................60&10&10 %
Bed...dis 10 %
Machine, Flat Head, Iron....................dis 55 %
Machine, Round Head, Iron...................dis 50 %
Bench, Iron.............................dis 50&10 %
Bench, Wood, Beech.......⅌ doz. $3.00, dis 10 %
Bench, Wood, Hickory....................dis 20&10 %
Hand, Wood..............................dis 20&10 %
Hand Rail, Sargent's....................dis 60&10 %
Hand Rail, Humason, Beckley & Co.'s.dis 40&10 %
Hand Rail, Am. Screw Co., list Jan 1, '81....dis 70 %
Jack (Wilson's).............................dis 25 %

SCREEN FRAMES AND FIXTURES.

Standard Window Screens No. 1, ⅌ doz. $4; 2, $5
" Door " No. 5, $15; dis 40&10 %
" Window Corner Irons, No. 3, doz. s'ts, $2
" Door " " No. 6, " " $3
dis 40&10 %
" Door Latches, ⅌ dozen, $3.60; dis 50 %

Porter's Patent Window and Door Screen Frames:

PER DOZ. SETS.

	In White.	Im. Bl'k Walnut.	
No. 20	$2.75	$3.25	dis. 33⅓ %
No. 21	3.25	4.00	
No. 22	5.50	6.75	
No. 23	6.00	7.50	
No. 30	9.00	11.00	

Porter's Corners— (dis. 33⅓ %)
No. 0. Corners and Sticks complete for a three-foot window, ⅌ doz. sets............$4
No. 1. Set for Window, ⅌ doz. sets, Bronzed, $2.40; Nickel, $5.62
No. 1½. " " ⅌ doz. sets, Bronzed, $3.25; Nickel, $7.50
No. 4. " " ⅌ doz. sets, Bronzed, $4.00; Nickel, $8.00
No. ½. " " or Door, ⅌ doz. sets, Bronzed, $1.20; Nickel, $3.00
No. 4½. " " or Door, ⅌ doz. sets, Bronzed, $2.00; Nickel, $4.00
No. 2½. " Door, ⅌ doz. sets, Bronzed, $6.75; Nickel, $15.00
No. 3. " " ⅌ doz. sets, Bronzed, $12.00; Nickel, $24.00

SHEARS AND SCISSORS.

American (Cast) Iron.................dis 70&10 %
Pruning............see Pruning Hooks and Shears
Barnard's Lamp Trimmers............⅌ doz. $4.00
Tinners'....................................dis 15 %
Conn Shears.................................dis 80 %
Norfolk Shear Co............................dis 75 %
Jersey Shears.....................................80 %
J. Wiss & Son, Nickle, 50&5%; Japanned, 60&5 %

SHEAVES.

Sliding Door, M. W. & Co., list ....dis 45&2 %
Sliding Door, R. & E. list...........dis 60&10&2 %
Sliding Door, Patent Roller.........dis 60&10&2 %
Sliding Door, Pt. Roller, Hatfield's.dis 60&10&2 %
Sliding Door, Russell's Anti-Frict'n.dis 60&10&2 %
Also see Hangers.

SHOVELS AND SPADES.

Ames, New List, July 1, 1881 ....dis 15 %
Griffiths................................dis 50&5 %
Remington's (Lowman's Patent)...............dis 30 %
Rowland's...................................dis 60 %
Kimball's...35 %
Lippincott, new list..............................20 %
Hussy, Bins & Co..................................15 %

SPOKE TRIMMERS.

Bonney's....................⅌ doz. $10, dis 40&5 %
Stearns'....................⅌ doz. $9, dis 20&10 %
Ives'... .No. 1, $15; No. 2, $12 ⅌ doz., dis 55&10 %
Douglass'......................⅌ doz., $9, dis 15 %

SILVER-PLATED WARE.

Wm. Rogers Manf. Co.................dis 50, 5&5 %
Holmes, Booth & Hayden.............dis 40&10&5 %
Brown Bros.........................dis 40&10&5 %
Wallace's Steel Silver Plated.............33⅓&10 %
Rogers Bros 1847 ....50 %
C. Rogers & Bro..............................40, 10&5 %

SILVER PLATED HOLLOW WARE.

Wm. Rogers Manf. Co..................dis 40, 15&5 %
Meriden Britannia Co..........................33⅓ %

SPOONS.

Britannia...........................dis 60&10 %
Tinned, Iron, Table and Tea.......................65 %
Tinned Iron Basting...............................65 %
German Silver...............................dis 40 %

STONE.

Hindostan No. 1, 5c.; Axe, 8c....................net
Sand Stone..................⅌ ℔. 6c., dis 33⅓&10 %
Washita Stone................No. 1, ⅌ ℔., 16c. net
Washita Stone, Slips.........No. 1, ⅌ ℔. 45c. net.
Arkansas ....$1.50 ⅌ ℔. net

SQUARES.

Steel.........dis 50 %; full cases, dis 50&10 % }
Iron..........dis 50 %; full cases, dis 50&10 % } 2% cash.
Nickel Plated.......add $2.50@4 ⅌ doz., net. }
Try Square and T Bevels..............dis 50&10 %
Disston's Try Square and T Bevels..........dis 40 %

VISES.

Solid Box—Wilson's.........................dis 50 %
" Trenton..............................dis 45 %
" Iron City Tool Works...............dis 50 %
Bench—Wilson's..............................dis 45 %
" Trenton...........................dis 25 %
" Parker's..........................dis 20 %
" Prentiss..........................dis 25 %
" Bonney's..........................dis 35 %
Stephens' Vises.............................dis 25 %
Well Wheels.............................dis 60&10&10 %

WIRE.

Brass and Copper, list of Jan. 17, 1884............15%
Bright and Annealed......Nos. 0@18, dis 50 &10%
Bright and Annealed.....Nos. 19@26, dis 60 &10%
Bright and Annealed..........Nos. 27@36, dis 70%
Coppered......................Nos. 0@18, dis 50 %
Galvanized, Nos. 0 to 18 .....market list dis 40 %
Tinned, Nos. 0 to 18..........................dis 60 %
Tinned Broom Wire, Nos. 18 to 25..........dis 60 %
Annealed Fence, Nos. 8&9....................dis 55 %
Annealed Grape, Nos. 10 to 14.........dis 50@10 %
Fence Staples, Galvanized............⅌ ℔ 7@7½c
Japanned Barb Fence.......................⅌ ℔ 6 c
Galvanized Barbed Fence...................⅌ ℔ 6¾c
Buck Thorn Galvanized...........................6¾c
Picture Wire................................dis 40 %
Clothes Line Wire, Galvanized ....$3.00 ⅌ doz
Wire Cloth, green, drab and black..⅌ sq ft 2 c net

WRENCHES.

American Adjustable.........................dis 45 %
Baxter's Adjustable "S," list Jan., 1880..dis 20&5 %
Baxter's Diagonal........................dis 20&5 %
Coes' Genuine...............................dis 60 %
Coes' "Mechanics".......................dis 60&10 %
Coes' Pattern, Malleable....................dis 75 %
Coes' Pattern, Wrought..................dis 60@10 %
Girard Standard.........................dis 50&10 %
Girard Agl..............................dis 60&10 %
Always Ready.............................$9.00—25 %

WRINGERS.	Per doz.
Universal, XX, No. 2½	36.00
Universal, XX, No. 2	42 00
Universal, XX, No. 1½	51.00
Universal, XX, No 1	66.00
Universal, XX, No. 8...each	10.75
Universal, XX, No. 12...each	20.25
Universal, XX, No. 18...each	22 75
Universal, XX, No. 22...each	30.25
Peerless, no Cogs, No. 1	42.00
Peerless, with Cogs, No. 2½	45.00
Peerless, with Cogs, No. 2	48.00

THERMOMETERS.

Tin Case.................................dis 7 &10 %
Storm Glasses.........................$3.25 ⅌ doz.

TOE CALKS.

Winsted.......................⅌ ℔ 9c. dis 5 %

TRAPS.

Game, Newhouse..............................dis 35 %
Game, Oneida Pattern....................dis 60&10 %
Game, Blake's Patent....................dis 40&10 %
Mouse, Wood, Choker................⅌ doz holes, 16c
Mouse, Round Wire..........⅌ doz $1.50, dis 10 %
Mouse Cage, Wire...........⅌ doz $2.50, dis 10 %
Mouse, Catch-em-alive......⅌ doz $2.50, dis 10 %
Cyclon Mouse.........................⅌ doz 75 cts.
Ideal Mouse. ....⅌ doz $1.00
Rat, "Decoy"...............⅌ doz $10.00, dis 10 %
Delusion Mouse, per doz..........................$1.50

SHEARS AND SCISSORS.

Henry Seymour Cutlery Co's—Tailors.... dis. 40%
Glovers'..40%
Bankers'..60%
Bent trimmers.....................................60%
Straight trimmers.................................60%
Tinners' and dental...............................60%
Candy...60%
Scissors..60%
Sheep shears......................................25%
Massachusetts Cutlery Co.'s—Straight trimmers 75%

TACKS, BRADS, &C.
New List, Sept. 1, 1882.

Tinned Swedes Tacks.........................dis 30 %
Tinned American Tacks.......................dis 30 %
Swedes Tacks, all kinds.....................dis 30 %
American Cut Tacks ....dis 30 %
Copper Tacks and Nails ....dis 30 %
Hungarian Nails.............................dis 35 %
Gimp and Lace Tacks.........................dis 30 %
Gimp and Lace Tacks, Tinned ....dis 30 %
Finishing Nails.............................dis 25 %
Trunk and Clout Nails.......................dis 25 %
Common and Patent Brads.....................dis 20 %
Basket Nails................................dis 20 %
Brush Tacks.................................dis 20 %
Leathered Carpet Tacks......................dis 20 %
Cigar Box Nails.............................dis 20 %
Chair Nails.................................dis 20 %
(Extra 10 % on all for cash.)
Double-pointed Tacks....................dis 40& 5%

TAP BORERS.

Common and Ring.............................dis 20 %
Ives' Tap Borers........................dis 15&10 %
Enterprise Mfg. Co..........................dis 25 %

TOBACCO CUTTERS.

Enterprise Mfg. Co. (Champion)..............dis 25 %
Wood Bottom.............⅌ doz $12.00, dis 40&5 %
All Iron.................⅌ doz $9.50, dis 40&5 %
Wilson's....................................dis 35 %

TROWELS.

Lothrops' Brick and Plastering..............dis 25 %
Reed's Brick and Plastering................ dis 15 %
Disston's Brick and Plastering..............dis 20 %
Clement & Maynard's.........................dis 20 %
Worrall's Brick ....dis 20 %
Brades & Walby's............................dis 20 %
Garden......................................dis 55 %

TRUCKS (WAREHOUSE, &C).

Handy Truck.................................$2 50 net
Penfield Block Co.' list, 1882..............dis 35 %
Peerless, with Cogs, No. 3.......................54.00
Peerless, with Cogs, No. 4.......................66.00
Eureka, No. 2............................⅌ doz 42.00

MISCELLANEOUS.

"Diamond" Vegetable Grater....$5.00 ⅌ doz., 10%
Rotary Knife Potato Parer......$18.00 ⅌ doz., net
Metallic Shingles ....$5.50 and $6.50 per square.
Hopper Cherry Seeders............ $5.00 ⅌ doz net

PAINTS, OILS, &c.

PAINTS.

Black Lamp, coach painters.................⅌ ℔ 20c
Black Lamp, ordinary........................⅌ ℔ 6c
Black Ivory Drop, fair.......................12@15c
Black Ivory Drop, best..........................23c
Black Paint, in oil...... kegs, 6c; asst'd cans, 9c
Blue Prussian, fair to best..................40@55c
Blue Prussian, fair to best, in oil..........45@55c
Blue Chinese, dry...............................70c
Blue Ultramarine.............................15@25c
Brown, Spanish...................................1c
Brown, Van Dyke...............................5@15c
Green, chrome.................................8@15c
Green, chrome, in oil......................9@12@15c
Green, Paris ....good, 20c; best, 25c
Green, Paris, in oil. ....good, 20c; best, 25c
Iron Paint, bright red.....................⅌ ℔ 2½c
Iron Paint, brown..........................⅌ ℔ 1½c
Iron Paint, purple...........................⅌ ℔ 3c
Iron Paint, ground in oil, bright red.....⅌ ℔ 5½c
Iron Paint, ground in oil, red...............⅌ ℔ 5c
Iron Paint, ground in oil, brown...........⅌ ℔ 4½c
Iron Paint, ground in oil, purple...........⅌ ℔ 6c
Linseed Oil, raw 59c
Single Boiled...................................61c
Double " 63c
Mineral Paints.................................2@4c
Orange Mineral 10c
Red Lead, American.............................6½@7c
Red Venetian, (Eng.) dry...............$1.50 to $1.75
Red Venetian, in oil.....asst'd cans, 9c; kegs, 6c
Red Indian, dry...............................9@12c
Rose Pink....................................10@13c
Sienna, American, raw............................4c
Sienna, burnt...................................4½c
Sienna, burnt, in oil.........................8@15c
Sienna, raw ....8@15c
Umber, burnt...................................4@8c
Umber, burnt, in oil..........................8@15c
Umber, raw..................................3½@7½c
Umber, raw, in oil............................8@15c
Vermilion, Chinese..............................90c
Vermilion, English ....50@55c
Vermilion, American, common.....................15c
White Lead, American, pure dry.............6@6½c
White Lead, American, pure in oil..........6@6½c
White, Paris, English, prime......in brls. 1½@2c
Yellow Ochre, French..........................$1 75
Yellow Ochre, F'ch, in oil, asst'd cns, 9c; kegs,6c
Yellow Ochre, American.......in bbls., 1¼@1½c
Yellow Chrome.................................5@18c

THE WM. ROGERS' MFG. CO.
Silver-Plated ✻ Table ✻ Ware.

(PICKLE CASTOR.)

No. 229, - - - - 1.90.

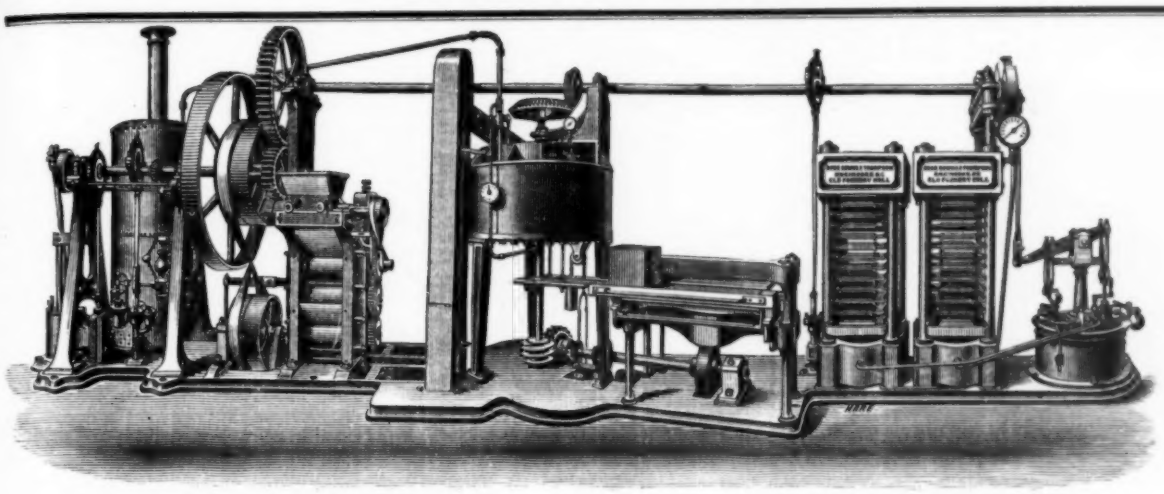
We manufacture a complete line of **Silver-Plated Table Ware** of all descriptions, and should be pleased to send our Price-List or Catalogue to any reliable dealer.

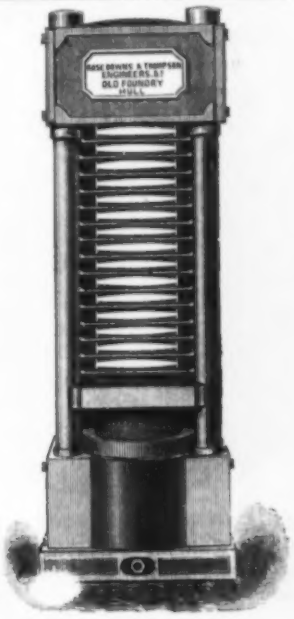
☞ We guarantee every piece of our Ware to be just as represented.

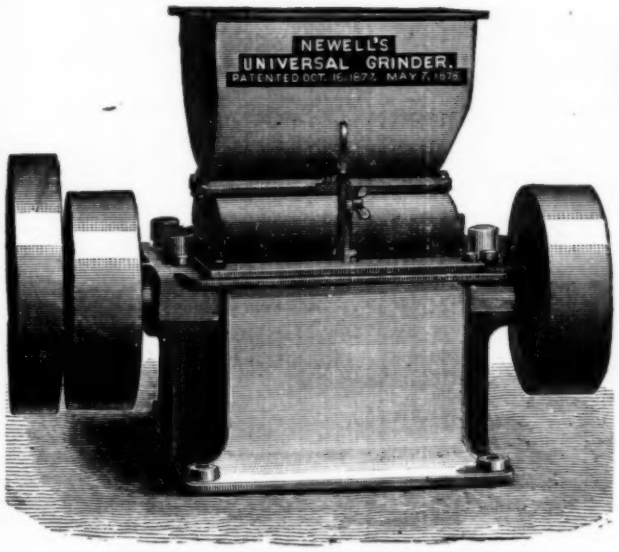
Our guarantee card accompanies each box of goods.

Our prices are as low as any First-Class Goods, and our goods are equal to any made in the country.

TRADE-MARKS:
⚓WM. ROGERS & SON,
—AND—
1865 Wm. Rogers Mfg. Co.
P. O. ADDRESS, DRAWER 30,
HARTFORD, CONN.







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REVOLUTION IN

Cotton-Seed Crushing.

UNQUALIFIED SUCCESS OF

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HULL, ENGLAND,

Anglo-American System of Extracting Oil from Cotton Seed.

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☞ A large stock assorted sizes of Engines and Boilers constantly on hand for immediate delivery.

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TRACTION and PORTABLE STEAM ENGINES.

—UNSURPASSED—

FOR

Power, Light Weight, Economy in Fuel and Water, Efficiency, Simplicity and Durability.

The Traction Engines are furnished with Birdsall's Patent Driving Wheel, which is made expressly for soft or muddy roads; they are warranted to travel and take a load on roads that are too soft to be used by any other traction; are very simple; easily managed; better made and made of better material and decidedly the best finished engine in the market. A prize will be given to every farmer who tries them and does not find by experience that they are not excelled by any and superior to most.

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—UNSURPASSED—

FOR

Power, Light Weight, Economy in Fuel and Water, Efficiency, Simplicity and Durability.

APRON and VIBRATING THRESHING MACHINES, embodying superior points of excellence and merit peculiar to themselves and possessed by none others, are built expressly for heavy work, and have unusually large separating and cleaning capacity; are matchless in strength, beauty of design and finish, and can be operated by any one of ordinary intelligence, owing to their extreme simplicity and solidity; are capable of taking care of all the grain that can be gotten to them, and in a superior manner.

The Novelty Saw Mill is the only mill in the world built on truck wheels, and is gotten up on entirely different principles from any other. The cutting is done with the under side of the saw and with the grain of the wood instead of against the grain as in all other mills, thus saving largely in power required to drive the saw; they are gotten up expressly for light power, and are warranted to run with from ¼ to ½ less power than any mill built; a ten-horse engine gives excellent power for them, and will handle the heaviest timber to the best advantage. They can be set up ready for operation while the steam is being raised on the engine; and they will pay the owner on small jobs, owing to their portability, that will not pay on any other mill. They make excellent lumber; are easily managed, and with our Ten-Horse Traction or Portable Engine will cut from 3,000 to 5,000 ft. of lumber per day, according to the size of the logs and skill of the operator.

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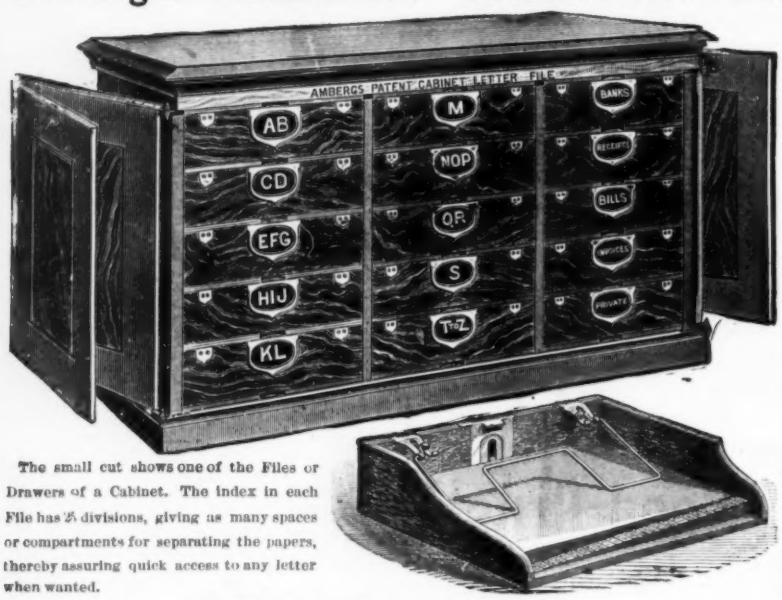
for States of Pennsylvania, Maryland, Delaware, Virginia, West Virginia and North Carolina. Agents wanted in every county not already taken. Send for Circulars and Prices.

Amberg's "PEERLESS" Cabinet Letter File



The small cut shows one of the Files or Drawers of a Cabinet. The index in each File has 25 divisions, giving as many spaces or compartments for separating the papers, thereby assuring quick access to any letter when wanted.

OVER 6,000 IN USE.

These Cabinet Letter Files are made in many sizes, ranging from the smallest of six Files to those of one hundred or more. *As lately improved*, they combine all the desirable points wanted in a complete Letter File; are elegantly and substantially made, the wood-work being of the best seasoned Black Walnut, veneered, with fittings of brass and steel, nickel-plated. They can be arranged for any class of correspondence, and adapted to any requirement.

Illustrated Catalogue on application to

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COVERT'S PATENT HARNESS SNAPS,

Chain and Rope Goods, Adjustable Soldering Irons, &c.

These Goods are sold by all Leading Jobbers in General and Saddlery Hardware at manufacturers' prices. Send for Illustrated Catalogue and Price-List.

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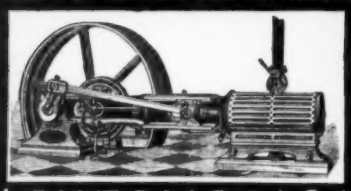
SEND FOR 150 PAGE ILLS CATALOGUE.



Awarded highest premiums at Cincinnati and Louisville Expositions of 1883, for "Best Automatic Engine." We will furnish anyone copies of the ORIGINAL ENTRIES of several engine builders who claim they were not competing with us. They all entered in the same class with us, and now by deceptive Circulars (one headed "Fact versus Falsehood,") attempt to mislead.

No premiums were offered for Condensing Engines.

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Roll, Sheet and Platers' Brass,

GERMAN SILVER,

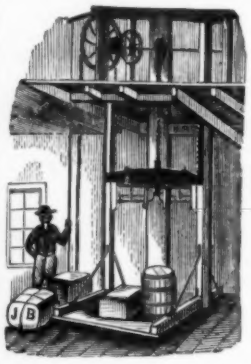
COPPER, BRASS AND GERMAN SILVER WIRE,

BRASS and COPPER TUBING,

BATTERY and PLATERS' SILVER, &c.

PHILIP R. VOGEL, Jr.

Manufacturers' Agent, No. 79 German Street, Baltimore, Md.



Bates' Hand Elevators,

Patented April 18, 1871. Released July 25, 1876.

OVER 6,000 IN USE.

Adapted for Warehouses, Stores, Factories, Hotels, Public Institutions, and every place where merchandise, etc., is transferred from one story to another.

JAMES BATES, Patentee.

Nos. 1, 3 & 5 President Street, BALTIMORE.

THE BRADSTREET MERCANTILE ✠ AGENCY

HAS NOW BEEN

Under its present successful management for the past seven years,

And during that time its business has more than trebled, while its facilities have proportionately increased.

No expense is considered too great in obtaining and applying to the conduct of the business all possible improvements. With its present system for obtaining and promulgating information, this Agency is justly regarded by its patrons as authority on all matters affecting commercial credit. Its ramifications are greater and its business larger than any similar organization in the world conducted in one interest and under one management.

You are respectfully invited to investigate, and, if in need of an Agency, to test its ability to serve you.

CHAS. F. CLARK, President.

Baltimore Office,—American Building,

H. KERSHAW, Supt.

New and Second-Hand Machinery

NEW.

1 Engine Lathe, 10 in. x 3½ ft.
1 each Engine Lathes, 11 in. x 4 and 5 ft.
1 " " " 13 in. x 5, 6 and 8 ft.
1 Engine Lathe, 14 in. x 5, 6 and 8 ft.
1 " " 16 in. x 6 ft.
1 each, Engine Lathes, 16 in. x 6, 7, 8 and 10 ft.
1 Engine Lathe, 18 in. x 6, 8, 10 and 12 ft.
1 " " 20 in. x 8, 10, 12, 14 and 16 ft.
1 " " 22 in. x 8, 10, 12, 14 and 16 ft.
1 " " 24 in., any length of bed to 26 ft.
1 " " 26 in., " " " 36 ft.
1 " " 28 in., " " " 46 ft.
1 " " 28 in., " " " 28 ft.
1 " " 30 in., " " " 28 ft.
1 " " 36 in., " " " 29 ft.
1 " " 42 in., " " " 28 ft.
1 " " 48 in., " " " 29 ft.
1 " " 15 in. x 4, 6 and 8 ft. Rod feed only.
1 each, Turret Lathes, 13 and 14 in. x 14 in. x 6 ft.
1 Fox Turret Lathe, 16 in. x 6 ft.
1 Fox Lathe, 15 in. x 5 ft. Round arbor.
1 each, Hand Lathes, 10, 12, 15 and 18 in. swing.
1 Iron Planer, 18 in. x 18 in. x 3 ft.
1 each, Iron Planers, 20 in. x 20 in. x 4 and 5 ft.
1 Iron Planer, 24 in. x 24 in. x 6 ft.
1 each, Iron Planers, 26 in. x 26 in. x 7 and 10 ft.
1 Iron Planer, 30 in. x 30 in. x 10 ft.
1 " " 36 in. x 36 in. x 10 ft.
1 each 16, 20, 22, 23, 25, 28, 30, 34 and 38 in. Upright Drills.
1 each, Nos. 2, 3, 4 and 6 Spindle Gang Drills.
1 each 8, 10, 12, 15, 18 and 24 in. Shapers.
1 each, Nos. 1, 2, 3 and 4 Milling Machines.
1 No. 2 Milling Machine. Lincoln Pattern.
1 New Pattern Milling Machine. Grant & Bogert.
1 each, Nos. 2, 4, 5 Wire Feed Screw Machines.
1 each, Nos. 3 and 7 Spindle Nut Tapper.
1 Boring and Turning Mill, each 50 and 72 in.
1 Gray's Screw Machine, to take all sizes to 1 in.
1 32 in. Gear Cutter.
1 Grant & Bogert Cutter Grinder.
1 12 in. x 20 in. Cylinder Horizontal Engine.

SECOND-HAND.

1 Engine Lathe, 15 in. x 6 ft. Chelsea Machine Co.
1 " " 24 in. x 8 ft. Fair order, with taper attachment.
1 Lathe, 84 in. x 19 ft.
1 " 14 in. x 8 ft. Blaisdell.
1 Planer, 27 in. x 27 in. x 5 ft.
1 " 37 x 37 x 9 ft.
1 " 24 x 24 x 7 ft.
1 " 44 x 44 x 8 ft.
1 " 50 in. x 50 in. x 17 ft.
1 Crank Planer.
1 Lincoln Pattern No. 2 Millers.
1 9-in. Shaper.
1 Bolt Cutter, to take sizes to 1 inch.
1 Horizontal Boring Machine, 36-in. swing, will take 6 feet between centres.
1 30-in. Plain Upright Drill.
1 Bement Slotter, 12 in. stroke.
1 35-in. Gear Cutter.
All kinds Machinists' Tools and Supplies.

New York Agency of the Tanite Co.

Grant & Bogert Machine Tool Works,

AND FOR THE

"New Polished" Shafting.

H. PRENTISS & CO.

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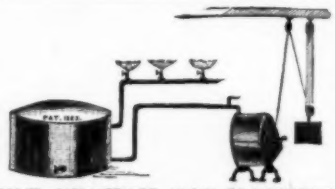

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TOOLS for Machinists, Amateurs, Jewellers, Model Makers, Blacksmiths, Carpenters, Coachmakers, etc.

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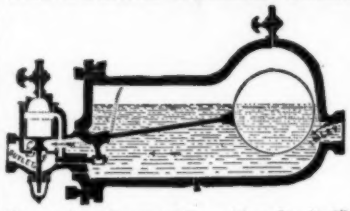
TALLMAN & McFADDEN, Philadelphia, Pa.

The CURTIS STEAM TRAP.



Has *main* valve outside. *Air* valve inside.

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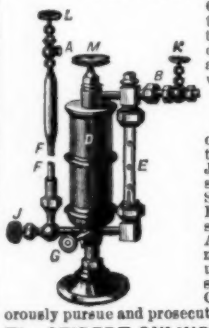
NEAR LIGHT, BALTIMORE.

☞ Repairing of all kinds promptly done.

The Seibert Cylinder Oil-Cup Co.

SOLE MANUFACTURERS OF



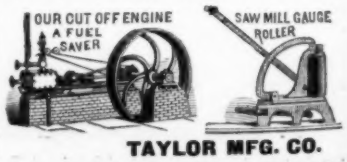
Oil Cups for Locomotives, Marine and Stationary Engine Cylinders, and the Seibert and Gates Patents with Sight Feed.

Take Notice.

The "Sight Feed" is owned exclusively by this company. See Judge Lowell's decision in the United States Circuit Court, District of Massachusetts, Feb. 23d, 1882.—All parties are hereby notified to desist the use, manufacture or sale of INFRINGING CUPS, as we shall vigorously pursue and prosecute all infringers.

The SEIBERT CYLINDER OIL-CUP CO.

53 Oliver St., Boston, Mass.



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Patapsco Mill A, Ellicott City, Md. Patapsco Mill B, Baltimore, Md.
Patapsco Mill C, Orange Grove, Md.

—Having a daily capacity of **1,500** barrels.—

The value of Flour depends on the proportionate quantity of Gluten, Starch, Sugar and Phosphate of Lime Maryland and Virginia Wheat, from which our Patent Roller Flours are manufactured, is unequalled for its purity and superior quality of alible properties.

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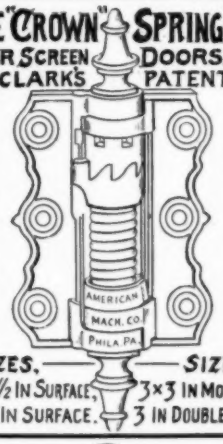
Bedford Family. Orange Grove Extra.

C. A. CAMBRILL MNF'G CO.

Office, 32 Commerce St., Baltimore Md.

THE "CROWN" SPRING HINGE — FOR SCREEN DOORS. — C.B.CLARK'S PATENT.



AMERICAN MACH. CO. PHILADELPHIA, PA.

SIZES, 3×2½ IN SURFACE, 3×3 IN SURFACE. SIZES, 3×3 IN MORTISE, 3 IN DOUBLE ACTING.

THE "CROWN" SPRING HINGE. — For Solid Doors. — C.B. CLARK'S PATENT.

AMERICAN MACHINE CO. PHILADELPHIA, PENNA.

SIZES — 4×4 SINGLE, 5×5 AND 6×6 DOUBLE ACTING. FOR DOORS FROM ¾ INCH TO 1¾ INCHES THICK, IN PLAIN AND FANCY FINISH

THE "CROWN" SCREEN DOOR LATCH. THE SIMPLEST AND MOST PRACTICAL SCREEN DOOR "LOCK" LATCH IN THE MARKET.

MADE BY AMERICAN MACH. CO. PHILA. PA.

THE "CROWN" ICE CHIPPER. The Most Practical Tool For Chipping Ice Into Fine Pieces For Freezing — And — Cooling Purposes.

AMERICAN MACH. CO. PHILA. PA.

Hamilton McDowell,

DESIGNER AND ENGRAVER

On Wood and Metal,

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BALTIMORE, MD.

McSHANE ✻ BELL ✻ FOUNDRY

Manufacture those celebrated **Bells** for **Churches, Cotton Mills, Factories, Tower Clocks, &c.** Prices and catalogues sent free. Address

H. McSHANE & CO.
Baltimore, Md.

THE ECONOMIC PATENT

Boiler Feed Pump

[Patented May, 1879, and February, 1883.]

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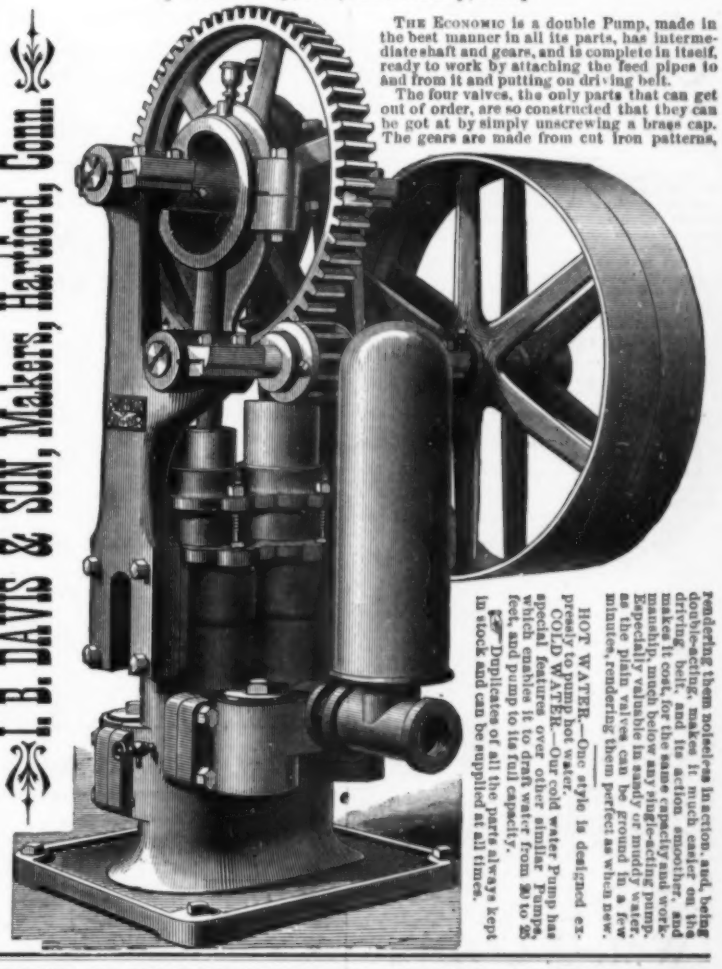

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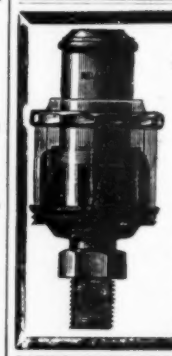

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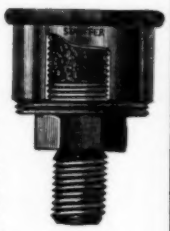

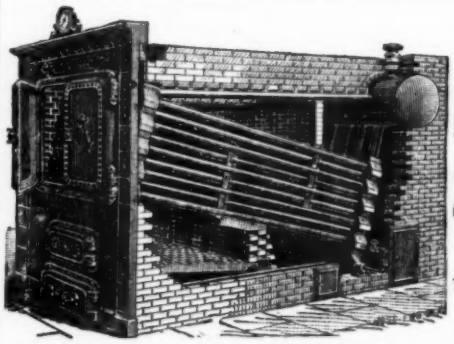

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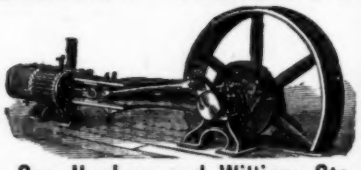

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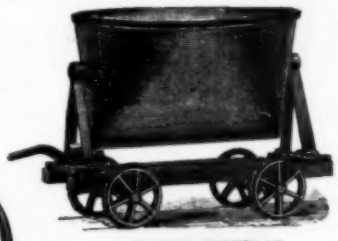

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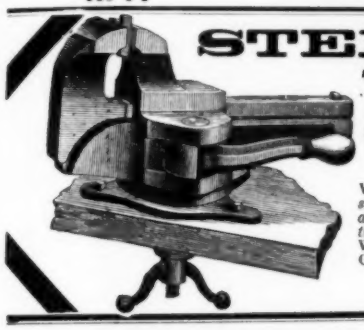

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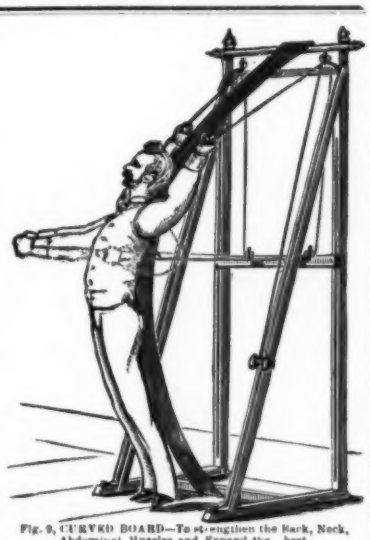

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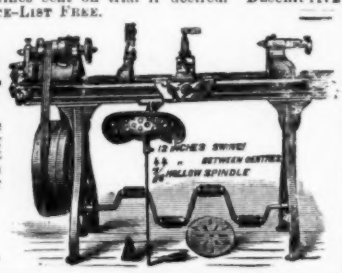

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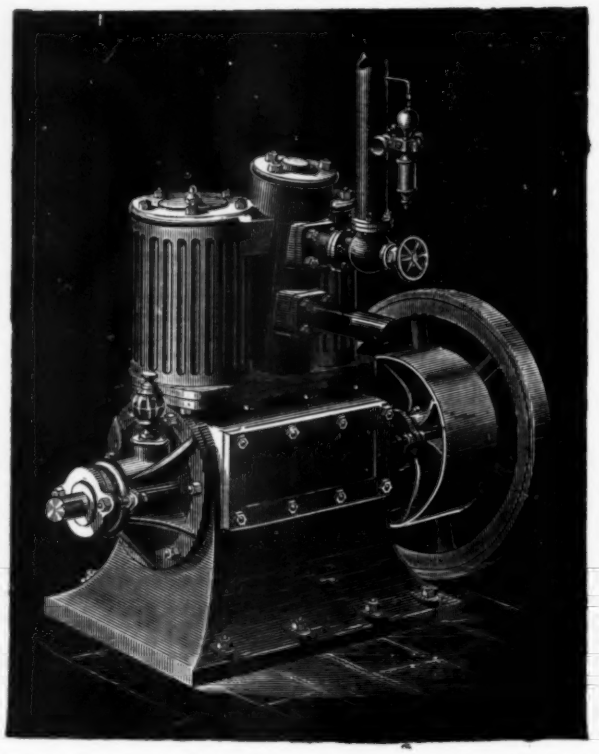

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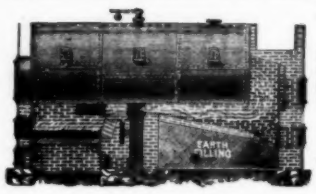

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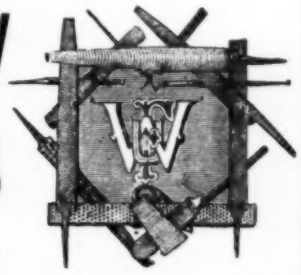

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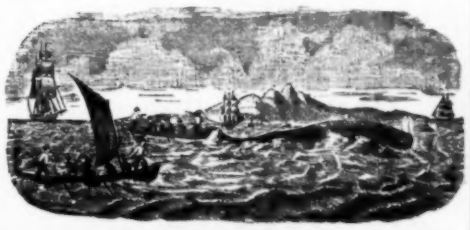

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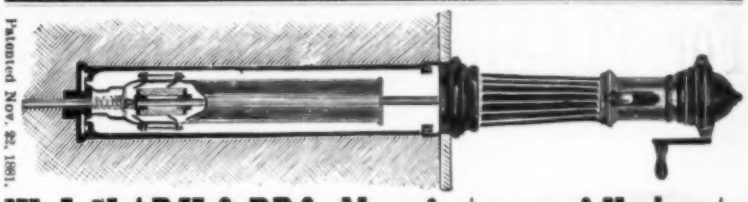

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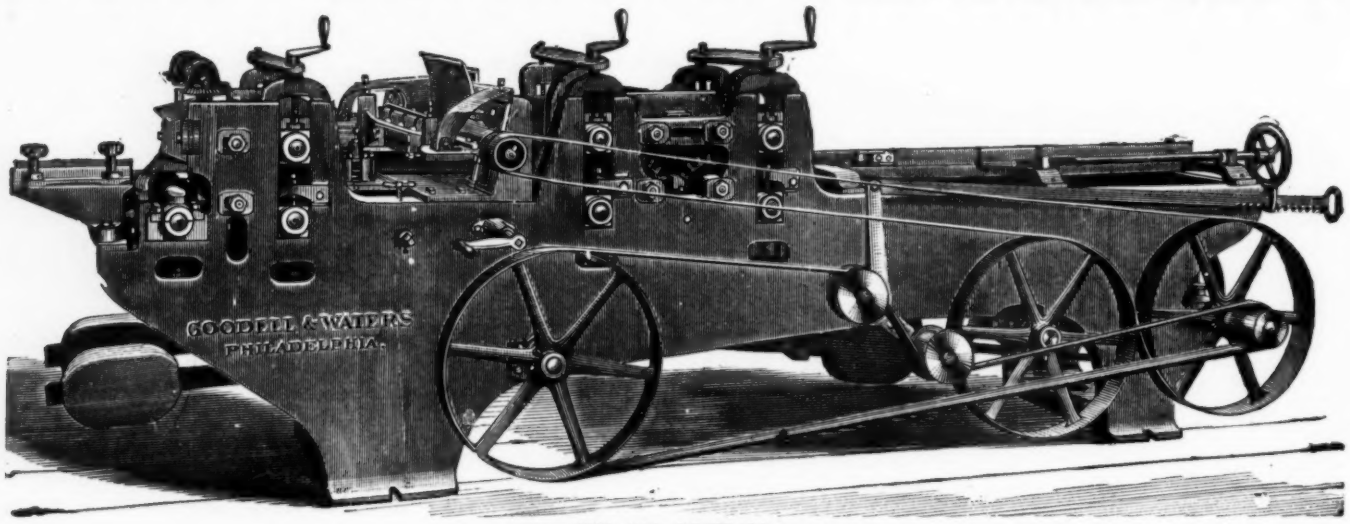

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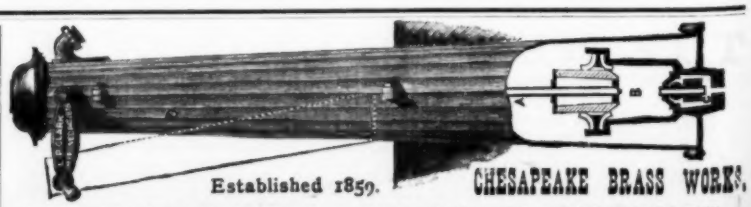

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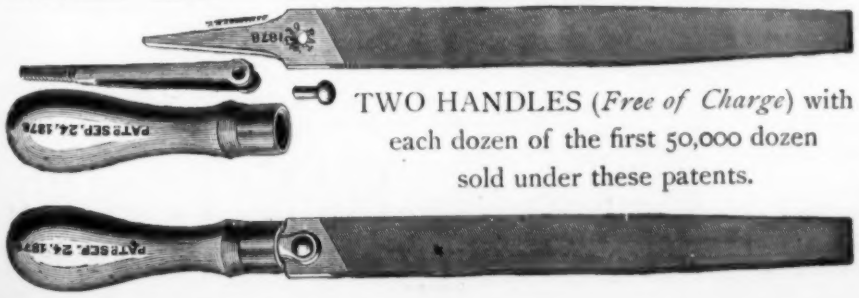

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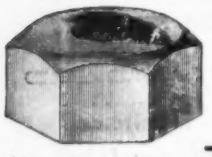

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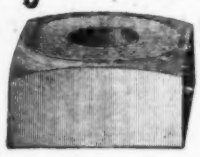

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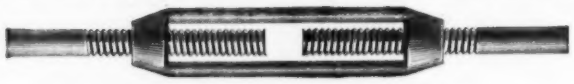

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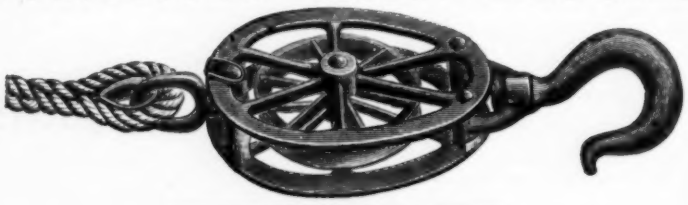

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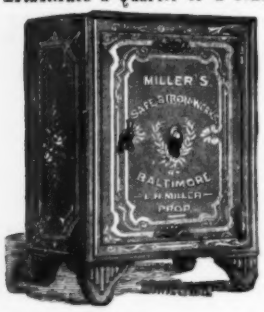

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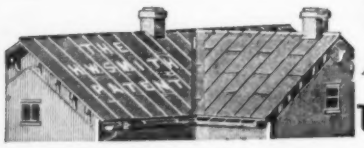

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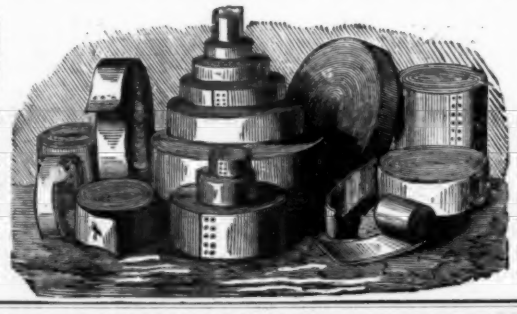

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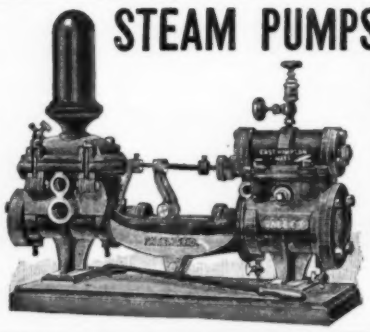

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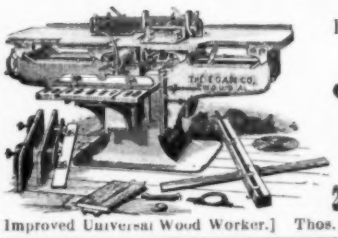

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